

List of Publications
Prof. Dr. Habil. Dana Maria Copolovici (born Ban)

a) ISI Articles (Web of Science-Clarivate)

1. Anca Silvestru, **Dana Ban**, John E. Drake, Zinc (II) tetraorganodichalcogenoimidodiphosphinates. Crystal and molecular structure of Zn[(OPPh₂)N]₂. *Rev. Roum. Chim.* **2002**, 47(10-11), 1077.
2. Mihaela Szabo, **Dana Ban**, Ciprian Rat, Anca Silvestru, John E. Drake, Michael B. Hursthouse, Mark E. Light. New versatile phosphorus ligands containing SPNSO skeleton - synthesis and characterization of (SPPH₂)(O₂SR)NH acids (R = Me, C₆H₄Me-4) and their alkaline metal salts. The crystal and molecular structures of (SPPH₂)(O₂SR)NH. *Inorg. Chim. Acta* **2004**, 357, 3595.
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5. **Dana Copolovici**, Cristian Silvestru, Richard A. Varga. Bis[$\{C,N-2-(N-morpholinylmethyl)phenyl\}$ palladium(II)chloride]. *Acta Cryst.* **2008**, E64, m1057.
6. Taavi Lehto, Rachida Abes, Nikita Oskolkov, Julia Suhorutšenko, **Dana-Maria Copolovici**, Imre Mäger, Joana R. Viola, Oscar Simonsson, Peter Guterstam, Elo Eriste, C.I. Edvard Smith, Bernard Lebleu, Samir EL Andaloussi, Ülo Langel. Delivery of nucleic acids with a stearylated (RxR)₄ peptide using a non-covalent co-incubation strategy. *J. Control. Release.* **2010**, 141, 42 – 51.
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efficient delivery of siRNA in cell culture and systemically in vivo. *Nucleic Acids Res.* **2011**, 39, 3972 - 3987.

10. Taavi Lehto, Oscar E. Simonson, Imre Mäger, Kariem Ezzat, Helena Sork, **Dana-Maria Copolovici**, Joana R. Viola, Eman M. Zaghoul, Per Lundin, Pedro M.D. Moreno, Maarja Mäe, Nikita Oskolkov, Julia Suhorutšenko, Edvard C. Smith, Samir E.L. Andaloussi. A peptide-based vector for efficient gene transfer in vitro and in vivo. *Mol. Ther.* **2011**, 19(8):1457-1467.

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12. Julia Suhorutsenko, Nikita Oskolkov, Piret Arukuusk, Kaido Kurrikoff, Elo Eriste, **Dana Maria Copolovici**, Ülo Langel. Cell-Penetrating Peptides, PepFects, Show No Evidence of Toxicity and Immunogenicity In Vitro and In Vivo. *Bioconjug. Chem.* **2011**, 22(11) 2255-2262.

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15. Piret Arukuusk, Ly Paernaste, Nikita Oskolkov, **Dana-Maria Copolovici**, Helerin Margus, Kaert Padari, Kaidi Moell, Julia Maslovskaja, Radi Tegova, Gaily Kivi, Andres Tover, Margus Pooga, Mart Ustav, Ülo Langel. New generation of efficient peptide-based vectors, NickFects, for the delivery of nucleic acids. *Biochim. Biophys. Acta-Biomembr.* **2013**, 1828(5), 1365-1373.

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19. **Dana Copolovici**, Francesco Isaia, Hans Joachim Breunig, Ciprian I. Rat and Cristian Silvestru. Palladium(II) complexes with chiral organoantimony(III) ligands. Solution behaviour and solid state structures, *RSC Adv.* **2014**, 4(51), 26569-26576.
20. Cristian Rus, Renata Maria Sumalan, Ersilia Alexa, **Dana Maria Copolovici**, Georgeta Pop, Dorica Botau. Study on chemical composition and antifungal activity of essential oils obtained from representative species belonging to the *Lamiaceae* family, *Plant Soil Environ.* **2015**, 61(7), 297-302.
21. Alexandru Tomescu, Renata-Maria Sumalan, Georgeta Pop, Ersilia Alexa, Mariana-Atena Poiana, **Dana-Maria Copolovici**, Cristiana Sorina Stroe Mihai, Monica Negrea, Atena Galuscan. Chemical composition and protective antifungal activity of *Mentha piperita* L. and *Salvia officinalis* L. essential oils against *Fusarium graminearum* spp., *Rev. chim.* **2015**, 66(7), 1027-1030.
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23. Lucian Copolovici, Andreea Pag, Astrid Kännaste, Adina Bodescu, Daniel Tomescu, **Dana Copolovici**, Maria-Loredana Soran, Ülo Niinemets, Disproportionate photosynthetic decline and inverse relationship between constitutive and induced volatile emissions upon feeding of *Quercus robur* leaves by large larvae of gypsy moth (*Lymantria dispar*), *Environ. Exp. Bot.* **2017**, 138, 184-192.
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26. Adriana Nita, Delia Mirela Tit, Lucian Copolovici, Carmen Elena Melinte (Frunzulica), **Dana Copolovici**, Simona Bungau, ¹H NMR Study of famotidine and nizatidine complexes with β -cyclodextrin, *Rev. Chim.*, **68**(6), 1170-1173 (2017).
27. Lucian Copolovici, Daniela Timiș, Monica Tășchină, Simona Bungău, Gabriela Cioca, **Dana Copolovici**, Diclofenac influence on photosynthetic parameters and volatile organic compounds emission from *Phaseolus vulgaris* L. plants, *Rev. chim.* **2017**, 68(9), 2076-2078.
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32. Cristian Moisa, Lucian Copolovici, Simona Bungau, Georgeta Pop, Ilinca Imbrea, Andreea Lupitu, Sebastian Nemeth, **Dana Copolovici**, Wastes resulting from aromatic plants distillation – bio-sources of antioxidant and phenolic compounds with biological active principles, *Farmacia*, **2018**, 66(2), 289-295.
33. Claudia Anca Mot, Andreea I. Lupitu, Simona Bungau, Ciprian Iovan, **Dana Maria Copolovici**, Lavinia Purza, Carmen Elena Melinte (Frunzulica), Lucian Copolovici, Composition and Antioxidant Activity of Aqueous Extracts Obtained from Herb of Tansy (*Tanacetum vulgare* L.), *Rev. Chim.*, **2018**, 1041-1044.
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40. Roxana Cojocariu, Ioana Balmus, Radu Lefter, Luminita Hritcu, Dana Ababei, Alin Ciobica, Simona Copaci, Lucian Copolovici, **Dana Copolovici**, Stefana Jurcoane, Beneficial effects of *Camelina sativa* oil on behavioural (memory, anxiety, depression and social-related) manifestations and oxidative stress parameters in a mice model of irritable bowel syndrome, *Rom. Biotechnol. Lett.* **2020**, 25(3), 1532-1540.
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44. Roxana – Oana Cojocariu, Ioana-Miruna Balmuş, Radu Lefter, Luminita Hritcu, Daniela Ababei, Alin Ciobica, Simona Copaci, Silvia Elena Lavinia Mot, Lucian Octav Copolovici, **Dana-Maria Copolovici**, Stefana Jurcoane, *Camelina sativa* Methanolic and Ethanolic Extract Potential in Alleviating Oxidative Stress, Memory Deficits, and Affective Impairments in Stress Exposure-Based Irritable Bowel Syndrome Mouse Models, *Oxidative Medicine and Cellular Longevity*, **2020**, 9510305.
45. Oana Emilia Constantin, Adelina Ștefania Milea, Carmen Bolea, Liliana Mihalcea, Elena Enachi, **Dana Maria Copolovici**, Lucian Copolovici, Florentina Munteanu, Gabriela Elena Bahrim and Gabriela

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47. Adriana Cecilia Csakvari, Cristian Moisa, Dana G. Radu, Leonard M. Olariu, Andreea I. Lupitu, Anca Ofelia Panda, Georgeta Pop, Dorina Chambre, Vlad Socoliuc, Lucian Copolovici, **Dana Maria Copolovici**, Green Synthesis, Characterization, and Antibacterial Properties of Silver Nanoparticles Obtained by Using Diverse Varieties of *Cannabis sativa* Leaf Extracts, *Molecules*, **2021**, 26, 4041.

48. Corina Popitanu, Andreea Lupitu, Lucian Copolovici, Simona Bungău, Ülo Niinemets, **Dana M. Copolovici**. Induced Volatile Emissions, Photosynthetic Characteristics, and Pigment Content in *Juglans regia* Leaves Infected with the Erineum-Forming Mite *Aceria erineae*, *Forests*, **2021**, 12, no. 7: 920. <https://doi.org/10.3390/f12070920>.

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54. Andreea Lupitu, Cristian Moisa, Simona Gavrița, Mihaela Dochia, Dorina Chambre, Virgiliu Ciutină, **Dana M. Copolovici**, Lucian Copolovici. The Influence of Elevated CO₂ on Volatile Emissions, Photosynthetic Characteristics, and Pigment Content in Brassicaceae Plants Species and Varieties, *Plants-Basel*, **2022**, 11(7): 973. <https://doi.org/10.3390/plants1107097>.
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56. Monica Taschina, Cristian Moisa, Andreea Lupitu, **Dana M. Copolovici**, and Lucian Copolovici. Influence of Nonsteroidal Anti-Inflammatory Drugs (NSAIDs) on Photosynthetic Parameters and Secondary Metabolites of Plants from Fabaceae Family, *Applied Sciences*, **2022**, 12, no. 13: 6326. <https://doi.org/10.3390/app12136326>.
57. Loredana Leopold, Cristina Coman, Doina Clapa, Ioana Oprea, Alexandra Toma, Stefania D. Iancu, Lucian Barbu-Tudoran, Maria Suci, Alexandra Ciorita, Adrian I. Cadis, Laura Elena Muresan, Ioana Mihaela Perhaita, Lucian Copolovici, **Dana M. Copolovici**, Florina Copaciu, Nicolae Leopold, Dan C. Vodnar, Vasile Coman, The effect of 100-200 nm ZnO and TiO₂ nanoparticles on the in vitro-grown soybean plants, *Colloids and Surfaces B-Biointerfaces*, **2022**, Vol. 216, Article Number 112536, doi 10.1016/j.colsurfb.2022.112536
58. Lucian Copolovici, **Dana M. Copolovici**, Cristian Moisa, Andreea Lupitu, Antagonist Temperature Variation Affects the Photosynthetic Parameters and Secondary Metabolites of *Ocimum basilicum* L. and *Salvia officinalis* L., *Plants-Basel*, **2022**, 11(14), Article Number 1806, <https://www.mdpi.com/2223-7747/11/14/1806>.
59. Alexandru Bogdan, Dorina Chambre, **Dana Maria Copolovici**, Tudor Bungau, Constantin C. Bungau, Lucian Copolovici, Heritage Building Preservation in the Process of Sustainable Urban Development: The Case of Brasov Medieval City, Romania, *Sustainability*, **2022**, Volume14, Issue12, Article Number 6959, DOI10.3390/su14126959.

60. Adriana Dalila Criste, Adriana Cristina Urcan, Cristian Ovidiu Coroian, Lucian Copolovici, **Dana Maria Copolovici**, Ramona Flavia Burtescu, Neli Kinga Olah, Plant-Based Beverages from Germinated and Ungerminated Seeds, as a Source of Probiotics, and Bioactive Compounds with Health Benefits-Part 1: Legumes, *Agriculture-Basel*, **2023**, 13(6), Article Number 1185, <https://www.mdpi.com/2077-0472/13/6/1185>.
61. Andreea Lupitu, Cristian Moisa, Flavia Bortes, Denisa Peteleu, Mihaela Dochia, Dorina Chambre, Virgiliu Ciutină, **Dana Maria Copolovici**, Lucian Copolovici, The Impact of Increased CO₂ and Drought Stress on the Secondary Metabolites of Cauliflower (*Brassica oleracea* var. *botrytis*) and Cabbage (*Brassica oleracea* var. *capitata*), *Plants*, **2023**, 12(17), 3098; <https://doi.org/10.3390/plants12173098>.
62. Andreea Gostaviceanu, Simona Gavrilas, Lucian Copolovici, **Dana Maria Copolovici**, Membrane-Active Peptides and Their Potential Biomedical Application, *Pharmaceutics*, **2023**, 15(8), 2091; <https://doi.org/10.3390/pharmaceutics15082091>.
63. Andreea Tepeneu, Andreea Lupitu, Teodora Surdea-Blaga, Cristian Moisa, Dorina Chambre, **Dana Copolovici**, Lucian Copolovici, Variability of air pollutants in the indoor air of a general store, *Applied Sciences*, **2023**, 13(23), 12572, <https://www.mdpi.com/2076-3417/13/23/12572>.
64. Ana Maria Tolos (Vasii), Cristian Moisa, Mihaela Dochia, Carmen Popa, Lucian Copolovici, **Dana Maria Copolovici**, Anticancer potential of antimicrobial peptides: focus on buforins, *Polymers*, **2024**, Article number 728, <https://www.mdpi.com/2073-4360/16/6/728>.
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66. Alexandru Bogdan, Dorina Chambre, Lorena Aliana Cioban, **Dana Maria Copolovici**, Lucian Copolovici, Pollutants and weathering compounds on medieval bricks of historic buildings from Brasov (Transylvania, Romania), *Urban Climate*, **2024**, 55, 101930, <https://www.sciencedirect.com/science/article/pii/S2212095524001263>.
67. Andreea Gostaviceanu, Simona Gavrilas, Lucian Copolovici, **Dana Maria Copolovici**, Graphene-Oxide Peptide-Containing Materials for Biomedical Applications, *International Journal of Molecular Science*, **2024**, 25, 10174.

b) ISI Proceedings Articles

1. M. Dochia, S. Gavrilas, M. Pustianu, D. Tomescu, **D.M. Copolovici**, Comparative study regarding the influence of the complexing agents EDTA and sodium citrate on the 50% flax cotton fabrics during the bioscouring treatment, *16th International Multidisciplinary Scientific GeoConference SGEM 2016*, SGEM Vienna GREEN Extended Scientific Sessions, www.sgemviennagreen.org, SGEM2016 Conference Proceedings, ISBN 978-619-7105-79-7 / ISSN 1314-2704, 2 - 5 November, 2016, Book 6 Vol. 3, 223-230 pp, DOI: 10.5593/SGEM2016/HB63/S08.029.
2. M. Dochia, M. Pustianu, S. Gavrilas; D. Tomescu, **D.M. Copolovici**, Study of the ultrasound efficiency on bioscouring treatment of hemp - cotton fabrics, Conference Proceedings of 17th International Multidisciplinary Scientific Geoconference SGEM 2017, Nano, Bio, Green and Space-Technologies for a Sustainable Future, ISBN: 978-1-5108-4819-1, 2017, 17(11), 1015-1023.
3. Andreea I. Lupitu, Cristian Moisa, Daniel Tomescu, Georgeta Pop, **Dana Maria Copolovici**, Lucian Copolovici, Adrian Ravis, Phenolic Compounds and Vitamins Composition in Medicinal Plants with Potential Anti-Bloating Properties, *Proceedings of The International Conference on Life Sciences*, 2018, 602-608.
4. Georgeta Pop, Ilinca Imbrea Merima, **Dana Copolovici**, Monica Licker, Corina Danciu, Cristina Dehelean, Alexandru Cucui-Cozma, Daniela Amzar, Lucian Copolovici, Antibacterial Activity and Chemical Composition of *Origanum majorana* L. Essential Oil from the Western Part of Romania, *Proceedings of The International Conference on Life Sciences*, 2018, 865-870.
5. Cristian Moisa, Lucian Copolovici, Georgeta Pop, Andreea Lupitu, Virgiliu Ciutina, **Dana Copolovici**, Essential Oil Composition, Total Phenolic Content, and Antioxidant Activity - Determined from Leaves, Flowers and Stems of *Origanum Vulgare* L. Var. *Aureum.*, *Sciendo*, 2018, 1(1), 555 - 561.

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c) IDB Articles

1. S. Lindberg, D.M. Copolovici, Ü. Langel, Therapeutic delivery opportunities, obstacles and applications for cell-penetrating peptides. *Therapeutic Delivery*, 2, 71 – 82 (2011).
2. C.F. Rus, Georgeta Pop, Ersilia Alexa, Renata M. Şumălan, **Dana M. Copolovici**, Antifungal activity and chemical composition of *Salvia officinalis* L. essential oil, *Research Journal of Agricultural Science*, 47 (2), 186-193 (2015).

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4. M. Dochia, M. Pustianu, S. Gavrilaş, D. Tomescu, **D.M. Copolovici**, Study on the influence of ultrasound in bioscouring treatment of 50 % of flax + 50 % of cotton fabrics, *Analele Universităţii din Oradea, Fascicula Textile & Pielarie*, XVIII/1, 27-32 (2017).
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