

Listă de publicații - conf.dr. Beldean-Galea Mihail Simion

I. Cărți cu ISBN

1. **Beldean-Galea M.S.**, *Tehnici de extracție și analiză a antioxidanților alimentari*, Editura RISOPRINT, Cluj-Napoca, 2017, ISBN 978-973-53-1977-9;
2. **Beldean-Galea M.S.**, *Analiza probelor de mediu. Teorie și aplicații practice*, Casa Cărții de Știință, Cluj-Napoca, 2016, ISBN 978-606-17-0922-9;
3. **Beldean-Galea M.S.**, Iovanca Haiduc, Roba Andreea Carmen, *Chimia verde – Principii și aplicabilitate*, Presa Universitară Clujeană, 2013, ISBN 978-973-595-536-6;
4. Iovanca Haiduc, **M.S. Beldean-Galea**, Air Quality-Models and Applications, capitolul 15 - *Variation of Greenhouse Gases in Urban Areas-Case Study: CO₂, CO and CH₄ in Three Romanian Cities*”, Editura: InTech, Julie 2011, Editor: Nicolas Mazzeo, ISBN 978-953-307-307-1, pp: 289-318, 2011, Accesabil on-line la: http://cdn.intechopen.com/pdfs/16158/InTech-Variation_of_greenhouse_gases_in_urban_areas_case_study_co2_co_and_ch4_in_three_romanian_cities.pdf
5. M.V. Coman, D. Niță, **M.S. Beldean-Galea**, Editori, *17th International Symposium on Separation Sciences, Book of abstracts*, Casa Cărții de Știință, Cluj-Napoca, 2011, ISBN 978-973-133-981-8

II Manuale / Suport didactic în format electronic

1. **Beldean-Galea M.S.**, *Controlul poluanților chimici ai mediului, Suport de curs, seminarii și lucrări de laborator*, Accesabil on-line la: http://enviro.ubbcluj.ro/wp-content/uploads/2017/06/Controlul-poluantilor-chimici_Suport-curs-seminarii-si-laborator_Beldean.pdf
2. **Beldean-Galea M.S.**, *Chimia mediului, Suport de curs, seminarii și lucrări de laborator*, Accesabil on-line la: http://enviro.ubbcluj.ro/wp-content/uploads/2017/06/Suport-Curs-CHIMIA_Mediului.pdf

III. Articole publicate în reviste cotate ISI

1. **Beldean-Galea M.S.**, Mihăiescu R., Arghiuș V., Croitoru A., Horvath C., Coman V., *Occurrence and Sources of Polycyclic Aromatic Hydrocarbons in the Tisza River and its Romanian Tributaries*, Water Air and Soil Pollution, **2016**, 227-377
2. Drăguș A., **Beldean-Galea M.S.**, *Assesment of triazine herbicides content in honey samples by solid-phase extraction and HPLC analysis*, STUDIA UBB CHEMIA, LX, 2, **2015**, Tom I, 117-124
3. **Beldean-Galea M.S.**, Coman V., Thiebaut D., Vial J., *Determination of four acidic nonsteroidal anti-inflammatory drugs in wastewater samples by dispersive liquid-liquid microextraction based on solidification of floating organic droplet and high-performance liquid chromatography*, Journal of Separation Science, **2015**, 38, 641-648
4. **Beldean-Galea M.S.**, Coman V., Copaciu F., Thiebaut D., Vial J., *Simultaneous identification of Fenton degradation by-products of diclofenac, ibuprofen and ketoprofen in aquatic media by comprehensive two-dimensional gas chromatography coupled with mass spectrometry*, Revue Roumaine de Chimie, **2014**, 59(11-12), 1021-1027

5. Drăguș A., **Beldean-Galea M.S.**, Coman V., *Determination of triazine herbicides in soil samples by ultrasound-assisted extraction followed by dispersive liquid-liquid microextraction based on solidification of floating organic droplet and HPLC-UV analysis*, *Revue Roumaine de Chimie* **2014**, 59(11-12), 1029-1036
6. **Beldean-Galea M.S.**, Filip M., Coman V., *Simultaneous Determination of Nitrophenols and Poly-Aromatic Hydrocarbons in Aquatic Samples by Solid Phase Extraction and HPLC Analysis*, *Acta Chimica Slovenica*, **2014**, 61, 202-207
7. **Beldean-Galea M.S.**, Vial J., Thiebaut D., *Development of a screening method for the determination of xenobiotic organic pollutants in municipal landfill leachate using solvent extraction and comprehensive GCxGC-qMS analysis*, *Central European Journal of Chemistry*, **2013**, 10-11, 1563-1574
8. **Beldean-Galea M.S.**, Vial J., Thiebaut D., Coman V., *Characterization of the fate of lipids in wastewater treatment using a comprehensive GCxGC/qMS and statistical approach*, *Analytical Methods*, **2013**, 5, 2315-2323;
9. Copaciu F., Coman V., Simedru D., **Beldean-Galea S.**, Opreș O., Ristoiu D., *Determination of two textile dyes in wastewater by solid phase extraction and liquid chromatography/electrospray ionization tandem mass spectrometry analysis*, *Journal of Liquid Chromatography & Related Technologies*, **2013**, 36, 1646–1660;
10. **Beldean-Galea M.S.**, Thiebaut D., Vial J., Sasiat P., Bouzige M., Coman M.V., *CO₂ Cryogenic Modulation in Comprehensive Two Dimensional Gas Chromatography. Influence of the stationary phase used for trapping*, *Revista de chimie*, **2012**, 63(8), 754-758
11. Mihaiescu R., Pop A.I., Mihaiescu T., Muntean E., **Beldean S.**, Muntean N., Alhafez L., Ozunu A., *Physico-chemical characteristics of the karst Lake Ighiu (Romania)*, *Environmental Engineering and Management Journal*, **2012**, 11(3), 623-626
12. Drăguș A., **Beldean-Galea M.S.**, Mihăiescu R., Mihăiescu T., Ristoiu D., *Assesing impacts of triazine pesticides use in agriculture over the well water quality*, *Environmental Engineering and Management Journal*, **2012**, Vol.11, No. 2, 319-324
13. Roba C.A., Jimenez C., Baciuc C., **Beldean-Galea S.**, Levei E., Cordoș E., *Assessment of different sorbents efficiency for solid phase extraction of aquatic humic acids*, *Central European Journal of Chemistry*, **2011**, 94(4), 598-604
14. **Beldean-Galea MS**, Horga C, Coman MV, *Separation and determination of tocopherols in vegetable oils by solid phase extraction on porous polymers SPE cartridges and capillary gas chromatography analysis*, *Central European Journal of Chemistry*, **2010**, 8(5), 1108-1114
15. Vial J., Thiebaut D., Sasiat P., **Beldean-Galea M. S.**, Gomez Ramos M., Bouzige M. Cognon G., Teillet B., *Comprehensive Two-Dimensional Gas Chromatography of Supercritical Fluid and Pressurized Liquid Extracts of Tobaccos*, *Journal of Chromatographic Science*, **2010**, 48(4), 267-273
16. T. Hodisan, D. Casoni, **Beldean-Galea M.S.**, C. Cimpoiu, *Identification and quantification of tocopherols in vegetable oils by thin-layer chromatography*, *Journal of Planar Chromatography - Modern TLC*, **2008**, 21(3), 213-215
17. **Beldean-Galea M.S.**, Jandera P., Hodisan T., *Retention and separation selectivity of natural phenolic antioxidants on zirconia based stationary phases*, *Journal of Liquid Chromatography & Related Technologies*, **2008**, 31(6), 807-818
18. Jandera P., Novotna K., **Beldean-Galea M.S.**, Jisa K., *Retention and selectivity test of silica-based and metal oxid bonded stationary phases for RP-HPLC*, *Journal of Separation Science*, **2006**, 29, 856-871

19. **Beldean-Galea M.S.**, Mocan A., Sârbu C., *A validation study regarding determination of tocopherols through direct and derivatization gas chromatographic method*, Revista de Chimie, **2006**, 57(2), 125-129
20. Surcel D., Mocan A., **Beldean S.**, David A., Hriscu M., Boțoc M., *Immune response, Free Radicals and Lipid Peroxidation in Experimental Exposure to Mixtures of Organic Solvents, Including Benzene*, Epidemiology, **2006**, 17(6), S303
21. Didi Surcel, Ligia Stoica, A. Mocanu, Victoria Coldea , **M. Beldean**, *Risk assessment for nurses occupationally exposed to antineoplastic drugs*, Epidemiology, **2004**, 15(4), S162
22. Didi Surcel, **S. Beldean**, A. Mocanu, *Exposure to polycyclic aromatic hydrocarbons, risk factor for lung cancer*, Epidemiology, **2004**, 15(4), S164

IV. Articole publicate în reviste indexate BDI

1. **Beldean-Galea S.**, Mihăiescu R., Cucoreanu I., Mihăiescu T., Arghiuș V., *Assessment of Polycyclic aromatic hydrocarbons urban air pollution using Thuja occidentalis*, Energy and clean technologies conference proceedings, Book Series: International Multidisciplinary Scientific GeoConference - SGEM **2016**, Vol II, 243-250
2. Mihăiescu R., Arghiuș V., **Beldean-Galea S.**, Croitoru A., Horvath C., *The assessment of some priority substances in the Tisza River and its Romanian tributaries*, Water, resources, forest, marine and ocean ecosystems conference proceedings, I, Book Series: International Multidisciplinary Scientific GeoConference, SGEM **2016**, 711-718,
3. **Beldean-Galea M.S.**, Cozma A.M., Diodiu R., *Simultaneous degradation of some phthalate esters under Fenton and Photo-Fenton oxidation processes*, Proceeding Conferința Aerul și Apa Componente ale Mediului, **2015**, 156-163
4. **Beldean-Galea M.S.**, Haiduc Iv., Roba C.A., *Diurnal and Seasonal Variation Of CO₂ in urban Areas from Cluj County* , STUDIA UNIVERSITATIS BABES-BOLYAI GEOGRAPHIA, **2009**, 49-55
5. Cristea G., Haiduc Iv., **Beldean-Galea M.S.**, Cuna S., *The variation of CH₄ in the urban areas from Cluj county*, Studia UBB, seria GEOGRAPHIA, **2009**, Issue no.3
6. Dinu A., Haiduc Iv., **Beldean-Galea M.S.**, Cosma F., Cosma C., *Variation of outdoor radon levels in urban area of Cluj county*, Studia UBB, seria GEOGRAPHIA, **2009**, Issue no.3
7. **Beldean-Galea M.S.**, Constantin C., Diodiu R., Roba C.A., *PAHs Content Determination in Water and Sludge Samples from Somesul Mic River*, ProEnvironment/ProMediu, **2012**, 79-84
8. Brisan N.S., **Beldean-Galea M.S.**, Pop I.N., Mera O., *Changes of the Turda Salt Mine Underground Microclimate Induced by its Rehabilitation and Touristic Exploitation*, ProEnvironment Promediu, **2010**, P.385-394

V. Alte publicații în reviste recunoscute CNCSIS

1. **Beldean-Galea M.S.**, Skericova V., Jandera P., Hodisan T. *Retention and Separation Selectivity of Natural Phenolic Antioxidants on Silica Gel Based Stationary Phases and Coulometric Detection*, Acta Universitatis Cibiniensis Seria F Chemia, **2007**, 10(1), 29-37
2. **Beldean-Galea M.S.**, Mocan A., Gocan S., *Use of porous polimers for solid phase extraction of food antioxidants*, Buletin of Transilvania University of Brasov, **2005**, 11 (45), 40-45

VI. Lucrări comunicate la diverse manifestări științifice (selecție):

1. **Beldean-Galea M.S.**, Thiebaut D., Vial J., Coman V., *Miniaturization and multidimensionality in the analysis of complex environmental samples*, 5th Scientific

Conference "Monitoring and water analysis. Chromatographic methods for the determination of ionic compounds ", 2-4 Aprilie, 2017, Torun, Polonia.

2. **Beldean-Galea M.S.**, Mihăiescu R., Arghiuș V., Croitoru A., Horvath C., Ciotlăuș I., Copaciu F., *Distribution and sources of polycyclic aromatic hydrocarbons in the Tisza River and its Romanian Tributaries*, 16th European Meeting on Environmental Chemistry (EMEC16), 30 Noiembrie - 3 Decembrie, 2015, Torino, Italia
3. **Beldean-Galea M.S.**, Ciotlăuș I., Mihăiescu R., Arghiuș V., Croitoru A., Coman V., *Determination of Some Priority Substances in the Tisza River and its Romanian Tributaries*, 21th International Symposium on Separation Sciences, 30 Iunie-03 Iulie, 2015, Ljubljana, Slovenia
4. **Beldean-Galea M.S.**, Talpos E., Coman V., Lysychenko G., Gertsyuk M., *Key tools for sustainable development and management of the transboundary water sources. Case study Romanian-Ukrainian Tisza River Watershed*, 3RD International Conference on Sustainable Development, 05-06 Iunie, 2015, Roma, Italia
5. **Beldean-Galea M.S.**, Coman V., Balea I., Vial J., Thiebaut D., *Determination of the non steroidal anti-inflammatory drugs in the influent and effluent of wastewater treatment plant from Romanian Tisza River Watershed by DLLME-SFO and LC-MS analysis*, 10th Annual LC/MS/MS Workshop on Environmental Application and Food Safety, 01-03 Iulie, 2014, Barcelona, Spania
6. **Beldean-Galea M.S.**, Thiebaut D., Vial J., Coman V., *Do we need comprehensive two dimensional gas chromatography in the environmental studies?*, IC-ANMBES, 13-15 Iunie, 2014, Brașov, România
7. **Beldean-Galea M. S.**, Vial J., Thiebaut D., Coman V., *Application of Comprehensive Two Dimensional Gas Chromatography for the Analysis of Environmental Samples*, 17th International Symposium on Separation Sciences, 05-09 Septembrie, 2011, Cluj-Napoca, Romania
8. **Beldean-Galea M.S.**, Vial J., Thiebaut D., Surchamp A., Coman V., *Monitoring of Fat Removal Capacity of Some Wastewater Plants Using GCxGC-MS*, 16th International Symposium on Separation Sciences, 06 -10 Septembrie, 2010, Rome, Italy
9. **Beldean-Galea M.S.**, Vial J., Thiebaut D., Moreau P., Sassiati P., Coman M.V., *GCxGC-MS analysis of fats for the evaluation of wastewater treatment*, 34th Symposium of Capillary Chromatography & 7th GCXGC Symposium, 30 may - 4 june 2010, Riva del Garda, Italy
10. **Beldean-Galea M.S.**, Coman V., Filip M., *Chromatographic Behavior of Some Synthetic Colorants on Silica Gel C8 Stationary Phase*, 14th International Symposium on Separation Science, Primosten, 29 September-03 October 2008, Croația
11. **Beldean-Galea M.S.**, Thiebaut D., Vial J., Sassiati P., Gomez Ramos M., Bouzige M., *Influence of stationary phases on modulation of volatile organic compounds in two dimensional gas chromatography*, 32th Symposium of Capillary Chromatography & 5th GCXGC Symposium, 26-30 May 2008, Riva del Garda, Italy

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