СПИСЪК НА ЗАБЕЛЯЗАНИТЕ В ЛИТЕРАТУРАТА ЦИТАТИ

на доц. д-р Антоанета Борисова Трендафилова-Савкова

извън конкурси по придобиване на научната и образователна степен „доктор“ и академичната длъжност „доцент“ (2010-2019) според данни от Web of Science и Scopus

Публ. № 1: Bojilova, A., **Trendafilova, A.**, Ivanov, Ch. and Rodios, N.A., Cyclopropanation reaction of 3-acyl-2H-1-benzopyran-2-ones with phenacylbromide in phase transfer systems, *Tetrahedron*, **49** 2275-2286, 1993.

1. Abdel-Wahab, B.F., Mohamed, H.A., Farhat, A.A. Ethyl coumarin-3-carboxylate: Synthesis and chemical properties Organic Communications, 7 (1), 1-27, **2014.**

2. Ivanov, I. C. A centenary of the birth of professor Christo Ivanov, Chemistry, 25 (2), 230-266, **2016**.

3. Ivanova, O.A., Andronov, V.A., Levina, I.I., Chagarovskiy, A.O., Voskressensky, L.G., Trushkov, I.V.Convenient synthesis of functionalized cyclopropa[c]coumarin-1a-carboxylates, Molecules, 24 (1), art. no. 57, **2019**.

Публ. № 2: Tsankova, E., Todorova, M., **Trendafilova, A.** and Robeva, P., Constituents of *Xanthium italicum* roots, *Fitoterapia*, **64**, 470-471, 1993.

4. Andreani, S., Barboni, T., Desjobert, J.-M., Paolini, J., Costa, J., Muselli, A., Essential oil composition and chemical variability of Xanthium italicum Moretti from Corsica, Flavour and Fragrance Journal 27 (3) , pp. 227-236, **2012**.

5. Olivaro, C., Rostan, V., Bandera, D., Moyna, G., Vazquez, A. Xanthane sesquiterpenoids from the roots and flowers of Xanthium cavanillesii, Natural Product Research, 30 (19), 2238-2242, **2016**.

Публ. № 3: Tsankova, E., **Trendafilova, A.**, Kujumdgiev, A., Galabov, A. and Robeva, P., Xanthanolides from *Xanthium italicum* Moretti and their biological activity, *Z. Naturforsch.*, **49c** 154-155, 1994

6. Vasas, A., Hohmann, J., Xanthane sesquiterpenoids: Structure, synthesis and biological activity, *Natural Product Reports* 28 (4), 824-842, **2011**.

7. Andreani, S., Barboni, T., Desjobert, J.-M., Paolini, J., Costa, J., Muselli, A., Essential oil composition and chemical variability of Xanthium italicum Moretti from Corsica, Flavour and Fragrance Journal 27 (3) , 227-236, **2012**.

8. Shao, H., Huang, X., Wei, X., Zhang, C., Phytotoxic effects and a phytotoxin from the invasive plant Xanthium italicum moretti, Molecules 17 (4) , 4037-4046, **2012**.

9. Khuda, F., Iqbal, Z., Zakiullah, Khan, A., Nasir, F., Muhammad, N., Khan, J.A., Khan, M.S., Metal analysis, phytotoxic, insecticidal and cytotoxic activities of selected medicinal plants of Khyber Pakhtunkhwa, Pakistan Journal of Pharmaceutical Sciences, 25 (1), 51-58, **2012.**

10. Kunzmann, M. H.; Sieber, S. A., Target analysis of alpha-alkylidene-gamma-butyrolactones in uropathogenic E. coli, Molecular Biosystems, 8(11), 3061-3067, **2012**.

11. Khuda, F., Iqbal, Z., Khan, A., Zakiullah, Nasir, F., Khan, M.S., Validation of some of the ethnopharmacological uses of Xanthium strumarium and Duchesnea indica, Pakistan Journal of Botany, 44 (4), 1199-1201, **2012**.

12. Olivaro, C., Paris, N., Cerdeiras, M.P., Vázquez, A. Antistaphylococcal activity of xanthium cavanillesii lactones (**2014**) Pharmacognosy Journal, 6 (6), 39-42

13. Chen, W.-H., Liu, W.-J., Wang, Y., Song, X.-P., Chen, G.-Y. A new naphthoquinone and other antibacterial constituents from the roots of Xanthium sibiricum, Natural Product Research, 29 (8), 739-744, **2015**.

14. Jiang, H., Ma, G.-X., Yang, L., Xing, X.-D., Yan, M.-L., Zhang, Y.-Y., Wang, Q.-H., Kuang, H.-X., Xu, X.-D. Rearranged ent-kauranoid glycosides from the fruits of Xanthium strumarium and their antiproliferative activity, Phytochemistry Letters, 18, 192-196, **2016**.

15. Jiang, H , Yang, L , Ma, GX, Xing, XD, Yan, ML, Zhang, YY, Wang, QH, Yang, BY, Kuang, HX, Xu, XD, New phenylpropanoid derivatives from the fruits of Xanthium sibiricum and their anti-inflammatory activity, Fitoterapia, 117, 11-15, **2017**.

16. Parveen Z. , Mazhar S. , Siddique S. , Manzoor A., Ali Z. , Chemical Composition and Antifungal Activity of Essential Oil from Xanthium strumarium L. Leaves, Indian J Pharm Sci, 79(2): 316-321, **2017**

17. He, Y., Ma, M. "Responses of seed germination of the invasive plant Xanthium italicum to environmental factors" Shengtai Xuebao/ Acta Ecologica Sinica, 38, 1226-1234, **2018**.

18. Yuan, Z., Zheng, X., Zhao, Y., Liu, Y., Zhou, S., Wei, C., Hu, Y., Shao, H., Phytotoxic Compounds Isolated from Leaves of the Invasive Weed Xanthium spinosum, Molecules 23, 2840, **2018**.

19. Li, J., Ma, M., Seeds over-wintering characteristics of Italian Cocklebur and Stab Cocklebur: Two invasive plants in Xinjiang, China, South African Journal of Botany, 121, 216-218, **2019.**

20. El-Gawad, A.A., Elshamy, A., El Gendy, A.E.-N., Gaara, A., Assaeed, A. Volatiles profiling, allelopathic activity, and antioxidant potentiality of Xanthium strumarium leaves essential oil from Egypt: Evidence from chemometrics analysis, Molecules, 24 (3), art. no. 584, **2019**.

Публ. № 4: Tsankova, E., **Trendafilova, A.** and Gussev, Ch., Chemical constituents of *Cnicus benedictus* L., *Compt. Rend. Acad. Bulg. Sci.*, **47** 53-55, 1994.

21. Bruno, M., Maggio, A., Rosselli, S., Safder, M., Banchev, S. The metabolites of the genus onopordum (asteraceae): Chemistry and biological properties, Current Organic Chemistry, 15 (6), 888-927, **2011**.

22. Peng Y., Jian Y., Zulfiqar A., Li B., Zhang K., Long F., Peng C., Cai X., Khan I. A., Wang W., Two new sesquiterpene lactone glycosides from Cnicus benedictus, Natural Product Research, 31, 2211-2217, **2017**

Публ. № 6: **Trendafilova, A.**, Tsankova, E. and Evstatieva, L., Seco-eremophilanolides from *Senecio macedonicus*, *Phytochemistry*, **40** 329-330, 1995.

23. Yang, Y., Zhao, L., Wang, Y.-F., Chang, M.-L., Huo, C.-H., Gu, Y.-C., Shi, Q.-W., Kiyota, H., Chemical and pharmacological research on plants from the genus Senecio, *Chemistry and Biodiversity* 8 (1), 13-72, **2011**.

24. Saito, Y.; Hattori, M.; Iwamoto, Y.; Takashima, Y.; Mihara, K.; Sasaki, Y.; Fujiwara, M.; Sakaoku, M.; Shimizu, A.; Chao, X.; Kuroda, C.; Gong, X.; Hanai, R.; Tori, M., Overlapping chemical and genetic diversity in Ligularia lamarum and Ligularia subspicata. Isolation of ten new eremophilanes and a new seco-bakkane compound, *Tetrahedron* 67 (12), 2220-2231, **2011**.

25. Huang, H.-L., Xu, Y.-J., Liu, H.-L., Liu, X.-Q., Shang, J.-N., Han, G.-T., Yao, M.-J., Yuan, C.-S. Eremophilane-type sesquiterpene lactones from Ligularia hodgsonii Hook *Phytochemistry* 72 (6), 514-517, **2011**.

26. Hou, C., Kulka, M., Zhang, J., Li, Y., Guo, F. Occurrence and biological activities of eremophilane-type sesquiterpenes, Mini-Reviews in Medicinal Chemistry, 14 (8), 664-677, **2014.**

27. Cheng, Z., Zhao, J., Liu, D., Proksch, P., Zhao, Z., Lin, W. Eremophilane-Type Sesquiterpenoids from an Acremonium sp. Fungus Isolated from Deep-Sea Sediments, Journal of Natural Products, 79 (4), 1035-1047, **2016**.

Публ. № 7: Todorova, M., Tsankova, E., **Trendafilova, A**. and Gussev, Ch., Sesquiterpene lactones with the uncommon rotundane skeleton from *Artemisia pontica* L., *Phytochemistry*, **41** 553-556, 1996.

28. Mohamed, A. El-H. H., Esmail, A.M., El-Saade, A. M., Terpenes from *Artemisia herba-alba*, Zeitschrift fuer Naturforschung, 68C(9/10), 343-346, **2013**.

Публ. № 9: **Trendafilova, A.**, Todorova, M and Gussev, Ch., Eudesmanolides from *Artemisia pontica*, *Phytochemistry*, **42** 469-470, 1996.

29. Adekenov, S.M., Sesquiterpene lactones from endemic species of the family Asteraceae, Chemistry of Natural Compounds 49 (1) , 158-162, **2013**.

30. Saeidnia, S., Asili, J., Manayi, A., Gohari, A.R., Nezhadali, A., Lari, J., Kurepaz-Mahmoodabadi, M., Bioactive sesquiterpene lactone from Artemisia santolina [Lactona sesquiterpénica bioactiva de Artemisia santolina], Boletin Latinoamericano y del Caribe de Plantas Medicinales y Aromaticas, 16 (6), 570-577, **2017**.

Публ. № 11: Ponticelli, F., **Trendafilova, A.**, Valoti, M., Saponara, S. and Sgaragli, G. P., Synthesis and antiperoxidant activity of new phenolic O-glycosides, *Carbohydrate Res***.**, **330** 459-468, 2001.

31. Rajaganesh, R., Jayakumar, J., Sivaraj, C., Raaman, N., Das, T.M., Synthesis and antioxidant activity of a novel class of 4,6-O-protected O-glycosides and their utility in disaccharide synthesis, *Carbohydrate Research* 345 (12), 1649-1657, **2010**.

32. Gao, Y., Lazar, C., Szarek, W.A., Brockhausen, I., Specificity of β-1,4-galactosyltransferase inhibition by 2-naphthyl 2-butanamido-2-deoxy-1-thio-β-D-glucopyranoside, *Glycoconjugate Journal* 27 (7-9), 673-684, **2010**.

33. Rajasekar, M., Jegadeesh, R., Raaman, N., Mohan Das, T., Studies on the synthesis and the antimicrobial and antioxidant activities of a novel class of fluorescein-based glycosides, *Carbohydrate Research* 346 (15), 2362-2367, **2011**.

34. Stévenin, A., Boyer, F.-D., Beau, J.-M., Highly selective formation of β-glycosides of N-acetylglucosamine using catalytic iron(III) Triflate, European Journal of Organic Chemistry (9), 1699-1702, **2012**.

35. Miranda, S, Lobo, F, Gomez, AM, Lopez, JC, Ferrier-Nicholas Cations from C-3-Alkynylglycals: Access to C-3-Branched Allylic Glycosides and Ring-Opening Derivatives, European Journal of Organic Chemistry, 17, 2501-2511, **2017**.

Публ. № 12: Giorgi, G., Ponticelli, F., Salvini, L., **Trendafilova, A.**, Valoti, M. and Pessina, F., Synthetic approach, regio- and stereochemical characterization and differentiation of new potential antioxidant C- and O-arylglycosides, *European J. Org. Chem.*, (1) 106-115, 2003.

36. Lahmann, M., Thiem, J., Transformations of chromanol and tocopherol and synthesis of ascorbate conjugates, *Tetrahedron* 67 (9), 1654-1664, **2011**.

37. Miranda, S., Lobo, F., Gomez, A.M., Lopez, J.C., Ferrier–Nicholas Cations from C-3-Alkynylglycals: Access to C-3-Branched Allylic Glycosides and Ring-Opening Derivatives, European Journal of Organic Chemistry, (17), 2501-2511, **2017**

38. Bokor É., Kun S., Goyard D., Tóth M., Praly J.-P., Vidal S., Somsák L., C-Glycopyranosyl Arenes and Hetarenes: Synthetic Methods and Bioactivity Focused on Antidiabetic Potential, Chemical Reviews, 117 (3), 1687-1764, **2017.**

Публ. № 13: **Trendafilova-Savkova, A.**, Todorova, M. and Gussev, Ch., Silphperfolane sesquiterpene acids from *Artemisia chamaemelifolia* Vill." *Z. Naturforsch.*, **58c** 817-819, 2003.

39. Masoudi, S., Rustaiyan, A., Vahedi, M., Volatile oil constituents of different parts of Artemisia chamaemelifolia and the composition and antibacterial activity of the aerial parts of A. turcomanica from Iran, Natural Product Communications 7 (11), 1519-1522, **2012**.

40. Boudhar, A., Charpenay, M., Blond, G., Suffert, J. Fenestranes in synthesis: Unique and highly inspiring scaffolds Angewandte Chemie - International Edition, 52, 12786-12798, **2013**.

41. Ghasemi Pirbalouti, A., Firoznezhad, M., Craker, L., Akbarzadeh, M. Essential oil compositions, antibacterial and antioxidant activities of various populations of Artemisia chamaemelifolia at two phenological stages, Brazilian Journal of Pharmacognosy, 23, 861-869, **2013.**

42. Das, D., Chakraborty, T.K. An overview of the recent synthetic studies toward penifulvins and other fenestranes, Tetrahedron Letters, 57 (33), 3665-3677, **2016**.

Публ. № 14: Staneva, J., **Trendafilova-Savkova, A.**, Todorova, M., Evstatieva, L. and Vitkova, A., Terpenoids from *Anthemis austriaca* Jacq., *Z. Naturforsch.*, **59c** 161-165, 2004.

43. Ciccarelli, D.; Noccioli, C., Pistelli, L.; Chemical composition of essential oils and aromatic waters from different Italian *Anthemis maritima* populations, Chem Biodivers. 10, 1667-1682, **2013**.

44. Zaghloul, A.M.; Yusufoglu, H.S.; Salkini, M.A.; Alam, A.; New cytotoxic sesquiterpene lactones from *Anthemis scrobicularis*, J Asian Nat Prod Res. 16(9), 922-929, **2014**.

45. Jassbi, A.R., Firuzi, O., Miri, R., Salhei, S., Zare, S., Zare, M., Masroorbabanari, M., Chandran, J.N., Schneider, B., Baldwin, I.T. Cytotoxic activity and chemical constituents of Anthemis mirheydari, Pharmaceutical Biology, 54 (10), 2044-204, **2016.**

Публ. № 15: Todorova, M. N., Mikhova, B., **Trendafilova, A.**, Vitkova, A., Duddeck, H., Anchev, M., Sesquiterpene lactones from *Achillea asplenifolia, Biochem. Syst. Ecol*., **34** 136-143, 2006.

46. Zeng, R.-T., Dong, X.-Y., Fang, X., Yang, N., Shi, Z.-R., Zhuo, Z.-G., Shen, Y.-H., Zhang, W.-D. Cytotoxic and Anti-inflammatory Sesquiterpenes from Ainsliaea henryi Chemistry and Biodiversity, 14 (2), art. no. e1600210, **2017.**

Публ. № 16: **Trendafilova, A.**, Todorova, M., Mikhova, B., Vitkova, A., Duddeck, H., Sesquiterpene lactones from *Achillea collina* J. Becker ex Reichenb., *Phytochemistry*, **67** 764-770, 2006.

47. Roche, S.P., Aitken, D.J., Chemistry of 4-hydroxy-2-cyclopentenone derivatives *European Journal of Organic Chemistry* (28), 5339-5358, **2010**.

48. Juhari, A., Mosnáček, J., Yoon, J.A., Nese, A., Koynov, K., Kowalewski, T., Matyjaszewski, K., Star-like poly (n-butyl acrylate)-b-poly (α-methylene-γ-butyrolactone) block copolymers for high temperature thermoplastic elastomers applications, *Polymer* 51 (21), 4806-4813, **2010**.

49. Lian, G., Yu, B., Naturally occurring dimers from chemical perspective, *Chemistry and Biodiversity* 7 (11), 2660-2691, **2010**.

50. Zhan, Z.-J., Ying, Y.-M., Ma, L.-F., Shan, W.-G., Natural disesquiterpenoids, *Natural Product Reports*, 28 (3), 594-629**, 2011**.

51. 10. Agarwal, S., Kumar, R., Synthesis of high-molecular-weight Tulipalin-A-based polymers by simple mixing and heating of comonomers, *Macromolecular Chemistry and Physics* 212 (6), 603-612, **2011**.

52. Applequist, W.L., Moerman, D.E., Yarrow (Achillea millefolium L.): A Neglected Panacea? A Review of Ethnobotany, Bioactivity, and Biomedical Research1, *Economic Botany* 65 (2), 209-225, **2011**.

53. Ordóñez, P.E., Quave, C.L., Reynolds, W.F., Varughese, K.I., Berry, B., Breen, P.J., Malagón, O., (...), Compadre, C.M., Sesquiterpene lactones from Gynoxys verrucosa and their anti-MRSA activity, *Journal of Ethnopharmacology* 137 (2), 1055-1059, **2011**.

54. Lee, C.W., Nakamura, S., Kimura, Y., Synthesis and characterization of polytulipalin-g-polylactide copolymers, *Journal of Polymer Science, Part A: Polymer Chemistry* 50 (6), 1111-1119, **2012**.

55. Luyen, N. T., Tram, L. H., Hanh, T. T. H., Binh, P. T.,; Dang, N. H., Minh, C. V., Dat, N.T., Inhibitors of α-glucosidase, α-amylase and lipase from *Chrysanthemum morifolium*, Phytochemistry Letters, 6, 322-325, **2013**.

56. Ren, Y., Jimenez, F., Garcia, R., Mejia, M., Chai, H., Farnsworth, N. R., Soejarto, D. D., Kinghorn, A. D., A cytotoxic dimeric furanoheliangolide from *Piptocoma rufescens*, Tetrahedron Letters, 54(40), 5457-5460, **2013**.

57. Yang, Y.-X., Shan, L., Liu, Q.-X., Shen, Y.-H., Zhang, J.-P., Ye, J., Xu, X.-K., Li, H.-L., Zhang, W.-D., Carpedilactones A-D, Four New Isomeric Sesquiterpene Lactone Dimers with Potent Cytotoxicity from *Carpesium faberi*, Organic Letters 16, 4216-4219, **2014**.

58. Lee, C., Song, K. Synthesis and characterization of tulipalin-based polymers, Asian Journal of Chemistry, 26 (23), 8057-8061, **2014**.

59. Tungabidya Maharana, Sasmita Pattanaik, Anita Routaray, Nibedita Nath, Alekha Kumar Sutar, Synthesis and characterization of poly(lactic acid) based graft copolymers, Reactive and Functional Polymers, 93, 47-67, **2015**

60. Han, Y., Ding, Y., Xie, D., Hu, D., Li, P., Li, X., Xue, W., Jin, L., Song, B., Design, synthesis, and antiviral activity of novel rutin derivatives containing 1, 4-pentadien-3-one moiety, European Journal of Medicinal Chemistry, 92, 732-737, **2015**

61. Yang, Y.-X., Gao, S., Zhang, S.-D., Zu, X.-P., Shen, Y.-H., Shan, L., Li, H.-L., Zhang, W.-D. Cytotoxic 2,4-linked sesquiterpene lactone dimers from Carpesium faberi exhibiting NF-κB inhibitory activity, RSC Advances, 5 (68), 55285-55289, , **2015**.

62. Moreno, M., Goikoetxea, M., Barandiaran, M.J., Fatty Acid-Based Waterborne Coatings, Biobased and Environmentally Benign Coatings, 161-182, **2016**.

63. Rustaiyan, A., Faridchehr, A., Bakhtiyari, M. Sesquiterpene lactones of Iranian compositae family (Astraceae); their chemical constituents and anti-plasmodial properties of tehranolide (A.Review) Oriental Journal of Chemistry, 33 (5), 2188-2197, **2017.**

64. Xue G.-M., Han C., Chen C., Li L.-N., Wang X.-B., Yang M.-H., Gu Y.-C., Luo J.-G., Kong L.-Y. , Artemisians A–D, Diseco-guaianolide Involved Heterodimeric [4 + 2] Adducts from Artemisia argyi, Organic Letters, 19, 5410-5413, **2017**.

65. Kindlovits, S., Sárosi, S., Inotai, K., Petrović, G., Stojanović, G., Németh, É., Phytochemical characteristics of root volatiles and extracts of Achillea collina Becker genotypes, Journal of Essential Oil Research, 30 (5), 330-340, **2018**.

Публ. № 18: Todorova, M., **Trendafilova, A.**, Mikhova, B., Vitkova, A., and Duddeck, H., Chemotypes in *Achillea collina* based on sesquiterpene lactone profile, *Phytochemistry*, **68** 1722-1730, 2007

66. Semmar, N., Chemotaxonomical Analyses of Herbaceous Plants Based on Phenolic and Terpenic Patterns: Flexible Tools to Survey Biodiversity in Grasslands, NOVA SCIENCE PUBLISHERS, INC, 400 OSER AVE, STE 1600, HAUPPAUGE, NY 11788-3635 USA, ISBN:978-1-61668-789-2, **2010**.

67. Khatoon, S., Singh, H., Goel, A., Use of HPTLC to establish the chemotype of a parasitic plant, Dendrophthoe falcata (Linn. f.) Etting. (Loranthaceae), growing on different substrates, *Journal of Planar Chromatography - Modern TLC* 24 (1), 60-65, **2011**

68. Applequist, W.L., Moerman, D.E., Yarrow (Achillea millefolium L.): A Neglected Panacea? A Review of Ethnobotany, Bioactivity, and Biomedical Research1, *Economic Botany* 65 (2), 209-225, **2011**.

69. Móricz, Á.M., Szarka, S., Ott, P.G., Héthelyi, É.B., Szoke, É., Tyihák, E., Separation and identification of antibacterial chamomile components using OPLC, bioautography and GC-MS, *Medicinal Chemistry* 8 (1), 85-94, **2012**.

70. Mahmoud, A.A., Al-Shihry, S.S., Hegazy, M.-E.F. A new epimeric sesquiterpene lactone from Achillea ligustica, *Records of Natural Products* 6 (1), 21-27, **2012**.

71. Kindlovits S., Németh É., Sources of variability of Yarrow (*Achillea* SPP.) essential oil, Acta Alimentaria, 41, 92-103, **2012**.

72. Li, Q.-M., Luo, J.-G., Wang, X.-B., Yang, M.-H., Kong, L.-Y., Sesquiterpenes from the rhizomes of Alpinia japonica and their inhibitory effects on nitric oxide production, Fitoterapia 86, 29-34, **2013**.

73. Shi, Y.-N., Tu, Z.-C., Wang, X.-L., Yan, Y.-M., Fang, P., Zuo, Z.-L., Hou, B., Yang, T.-H., Cheng, Y.-X., Bioactive compounds from the insect Aspongopus chinensis, Bioorganic & Medicinal Chemistry Letters, 24(22), pp. 5164 - 5169, **2014**.

74. Hegazy, M.-E.F., Hamed, A.R., Mohamed, T.A., Debbab, A., Nakamura, S., Matsuda, H., Paré, P.W. Anti-inflammatory sesquiterpenes from the medicinal herb Tanacetum sinaicum RSC Advances, 5 (56), pp. 44895-44901, **2015**

75. Stevanovic, Z. D., Pljevljakušic, D., Ristic, M., Šoštaric, I., Kresovic, M., Simic I., & Vrbnièanin S., Essential Oil Composition of Achillea millefolium agg. Populations Collected from Saline Habitats, Journal of Essential Oil-Bearing Plants, 18 (6), 1343-1352, **2015.**

76. Németh-Zámboriné, É. Natural variability of essential oil components, Handbook of Essential Oils: Science, Technology, and Applications, Second Edition, 87-125, **2015**.

Публ. № 19: **Trendafilova, A.,** Todorova M. and Bancheva, S., Secondary metabolites from *Centaurea moesiaca*, *Biochem. Syst. Ecol.*, **35** 544-548, 2007.

77. Boldizsár, I., Kraszni, M., Tóth, F., Noszál, B., Molnár-Perl, I., Complementary fragmentation pattern analysis by gas chromatography-mass spectrometry and liquid chromatography tandem mass spectrometry confirmed the precious lignan content of Cirsium weeds, *Journal of Chromatography A* 1217 (40), 6281-6289, **2010**.

78. Atif, M., Ali, I., Hussain, A., Hyder, S.V., Niaz, B., Khan, F.A., Maalik, A., Farooq, U. Pharmacological assessment of hispidulin - A natural bioactive flavone, Acta Poloniae Pharmaceutica - Drug Research, 73 (3), 565-578, **2016**.

79. Köse, Y.B., İşcan, G., Göger, F., Akalın, G., Demirci, B., Başer, K.H.C. Chemical Composition and Biological Activity of Centaurea baseri: New Species from Turkey Chemistry and Biodiversity, 1369-1379, **2016**.

80. Sólyomváry, A. et al., Dibenzylbutyrolactone lignans – a review of their structural diversity, biosynthesis, occurrence, identification and importance, Mini-Reviews in Medicinal Chemistry, 16, **2016**.

Публ. № 20: **Trendafilova, A**., Todorova, M., Mikhova, B., and Duddeck, H., Flavonoids in flower heads of three *Achillea* species belonging to *Achillea millefolium* group, *Chemistry of Natural Compounds*, **43** 213-213, 2007.

81. Huo, C.-H., Li, Y., Zhang, M.-L., Wang, Y.-F., Zhang, Q., Qin, F., Shi, Q.-W., Kiyota, H., Cytotoxic flavonoids from the flowers of *Achillea millefolium*, Chemistry of Natural Compounds 48 , 958-962**, 2013**.

Публ. № 21: Todorova, M., **Trendafilova, A.**, Mikhova, B., Vitkova, A., and Duddeck, H., Terpenoids from *Achillea distans* Waldst.&Kit. ex Willed, *Biochem. Syst. Ecol.*, **35** 852-858, 2007.

82. Sun, L., Shah, F., Helal, M.A., Wu, Y., Pedduri, Y., Chittiboyina, A.G., Gut, J., (...), Avery, M.A., Design, synthesis, and development of novel guaianolide-endoperoxides as potential antimalarial agents, *Journal of Medicinal Chemistry* 53 (21), 7864-7868, **2010**.

83. Zhan, Z.-J., Ying, Y.-M., Ma, L.-F., Shan, W.-G., Natural disesquiterpenoids, *Natural Product Reports*, 28 (3), 594-629, **2011**.

84. Minakawa, T., Toume, K., Arai, M.A., Sadhu, S.K., Ahmed, F., Ishibashi, M. Eudesmane-Type Sesquiterpenoid and Guaianolides from Kandelia candel in a Screening Program for Compounds to Overcome TRAIL Resistance, Journal of Natural Products, 75 (8), 1431-1435, **2012.**

85. Benedec, D., Vlase, L., Oniga, I., Mot, A.C., Damian, G., Hanganu, D., Duma, M., Silaghi-Dumitrescu, R., Polyphenolic composition, antioxidant and antibacterial activities for two Romanian subspecies of Achillea distans Waldst. et Kit. ex Willd., Molecules 18 (8), pp. 8725-8739, **2013**.

86. Dembitsky VM (2015) Astonishing Diversity of Natural Peroxides as Potential Therapeutic Agents. J Mol Genet Med 9:163. doi: 10.4172/1747-0862.1000163

87. Benedec, D., Popica, I.-E., Oniga, I., Hanganu, D., Duma, M., Silaghi-Dumitrescu, R., Bischin, C., Vlase, L.Comparative HPLC-MS analysis of phenolics from achillea distans and achillea millefolium and their bioactivity, Studia Universitatis Babes-Bolyai Chemia, 60 (4), 257-266, **2015.**

88. Mohamed, A.E.-H.H., Mohamed, N.S., Hamed, A.R., Hegazy, M.-E.F. Anti-inflammatory activity of highly oxygenated terpenoids from Achillea biebersteinii Afan, Zeitschrift fur Naturforschung - Section C Journal of Biosciences, 71 (11-12), 429-432, **2016**.

89. Xue, G.-M., Li, X.-Q., Chen, C., Chen, K., Wang, X.-B., Gu, Y.-C., Luo, J.-G., Kong, L.-Y., Highly Oxidized Guaianolide Sesquiterpenoids with Potential Anti-inflammatory Activity from Chrysanthemum indicum, Journal of Natural Products, 81 (2), 378-386, **2018**.

Публ. № 22: Choudhary, M. I., Jalil, S., Todorova, M., **Trendafilova, A.**, Mikhova, B., and Duddeck, H., Inhibitory effect of lactone fractions and individual components from three species of the Achillea millefolium complex of Bulgarian origin on the human neutrophils respiratory burst activity, *Nat. Prod. Res*., 1032-1036, 2007.

90. Kalra, M., Khatak, M., Khatak, S., Cold and flu: Conventional vs botanical & nutritional therapy, *International Journal of Drug Development and Research*, 3 (1), 314-322, **2011**.

91. Applequist, W.L., Moerman, D.E., Yarrow (Achillea millefolium L.): A Neglected Panacea? A Review of Ethnobotany, Bioactivity, and Biomedical Research1, *Economic Botany* 65 (2), 209-225, **2011**.

92. Lakshmi, T., Geetha, R.V., Roy, A., Aravind Kumar, S. Yarrow (Achillea millefolium Linn.) a herbal medicinal plant with broad therapeutic use - A review, *International Journal of Pharmaceutical Sciences Review and Research*, 9 (2), 136-141, **2011**.

93. Lakshmi, T., Roy, A., Durgha, K., Manjusha, V., Coping with hypertension using safer herbal medicine - A therapeutic review, International Journal of Drug Development and Research 3 (3), 31-57, **2011**.

94. Shah, M.R., Arfan, M., Amin, H., Hussain, Z., Qadir, M.I., Iqbal Choudhary, M.a Vanderveer, D., Ahmed Mesaik, M., Soomro, S., Jabeen, A., Khan, I.U., Synthesis of new bergenin derivatives as potent inhibitors of inflammatory mediators NO and TNF-α, Bioorganic and Medicinal Chemistry Letters, 22 (8), 2744-2747, **2012**.

95. Freysdottir J., Logadottir O.T., Omarsdottir S.S., Vikingsson A., Hardardottir I., A polysaccharide fraction from Achillea millefolium increases cytokine secretion and reduces activation of Akt, ERK and NF-κB in THP-1 monocytes, Carbohydr Polym., 143, 131-8 **2016.**

96. Mazzei R., De Marco E. V., Gallo O., Tagarelli G., Italian folk plant-based remedies to heal headache (XIX-XX century), Journal of Ethnopharmacology, 210, 417-433, **2018**.

97. Al-Jaber, H.I., Abu Zarga, M.H., Al-Aboudi, A.F., Al-Qudah, M.A., Al-Shawabkeh, A.F., Abaza, I.F., Abuaisheh, M.N., Afifi, F.U. Essential Oil Composition and Anticholinesterase Activity Evaluation of Achillea fragrantissima Growing Wild in Jordan Journal of Herbs, Spices and Medicinal Plants, 24 (3), 272-281., **2018**.

Публ. № 23: **Trendafilova, A.** and Todorova, M., Comparison of Different Techniques for Extraction of Biologically Active Compounds from *Achillea Millefolium* Proa, *Natural Product Communications*, **3** 1515-1518, 2008.

98. Aspé, E., Fernández, K., The effect of different extraction techniques on extraction yield, total phenolic, and anti-radical capacity of extracts from Pinus radiata Bark, *Industrial Crops and Products* 34 (1), 838-844, **2011**.

99. Routray, W., Orsat, V., Microwave-Assisted Extraction of Flavonoids: A Review, Food and Bioprocess Technology, 5 (2), 409-424**, 2012**.

100. Rahimmalek, M., Goli, S.A.H., Etemadi, N., Gharbi, S., Essential oil and total phenolic compounds variation in *Achillea pachycephala* collected from different regions of Iran, Journal of Essential Oil-Bearing Plants 15 (2), 217-226, **2012**.

101. Carew, Anna L.; Sparrow, Angela M.; Curtin, Chris D.; Close, Dugald C.; Dambergs, Robert G., Microwave Maceration of Pinot Noir Grape Must: Sanitation and Extraction Effects and Wine Phenolics Outcomes, Food and Bioprocess Technology, 7, 954-963, **2014**.

102. Sadiki, M.; Barkai, H.; Koraichi, S.I.; Elabed, S., The effect of the *Thymus vulgaris* extracts on the physicochemical characteristics of cedar wood using angle contact measurement, *J.Adhes.Sci. Technol.* 28, 1925-1934, **2014**.

103. Mekinić IG, Skroza D, Ljubenkov I, Krstulović L, Možina SS, Katalinić V., Phenolic acids profile, antioxidant and antibacterial activity of chamomile, common yarrow and immortelle (Asteraceae), Nat Prod Commun., 9(12),1745-8, **2014**.

104. Freysdottir, J., Logadottir, O.T., Omarsdottir, S.S., Vikingsson, A., Hardardottir, I. A polysaccharide fraction from Achillea millefolium increases cytokine secretion and reduces activation of Akt, ERK and NF-κB in THP-1 monocytes, Carbohydrate Polymers, 143, 131-138, **2016.**

105. Çelik S. E., Tufan A. N., Bekdeşer B., Özyürek M., Güçlü K., Apak R., Identification and Determination of Phenolics in Lamiaceae Species by UPLC-DAD-ESI-MS/MS, Journal of Chromatographic Science, 55, 291–300, **2017**.

Публ. № 27: **Trendafilova A.**, Todorova M. and Vitkova A, Essential Oil Composition of *Achillea clusiana* from Bulgaria, *Natural Product Communications*, **5** 129-132, 2010.

106. Tabanca, N., Demirci, B., Gürbüz, I., Demirci, F., Becnel, J.J., Wedge, D.E., Başer, K.H.C, Essential oil composition of five collections of *Achillea biebersteinii* from central Turkey and their antifungal and insecticidal activity, *Natural Product Communications*, **6** 705-711, **2011**.

107. Bonikowski, R., Świtakowska, P., Kula, J. Synthesis, odour evaluation and antimicrobial activity of some geranyl acetone and nerolidol analogues, Flavour and Fragrance Journal, 30 (3), 238-244, **2015.**

108. Nekoei, M., Mohammadhosseini, M. Chemical Compositions of the Essential Oils from the Aerial Parts of Achillea wilhelmsii Using Traditional Hydrodistillation, Microwave Assisted Hydro- distillation and Solvent-Free Microwave Extraction Methods: Comparison with the Volatile Compounds Obtained by Headspace Solid-Phase Microextraction, Journal of Essential Oil-Bearing Plants, 19 (1), 59-75, **2016**.

109. Kostevski, I.R., Petrović, G.M., Stojanović, G.S., Stamenković, J.G., Zlatković, B.K.Essential oil chemical composition and headspace volatiles profile of achillea coarctata from Serbia, Natural Product Communications, 11 (4), 543-545, **2016**.

110. Mohammadhosseini, M., Sarker, S.D., Akbarzadeh, A. Chemical composition of the essential oils and extracts of Achillea species and their biological activities: A review, Journal of Ethnopharmacology, 199, 257-315, **2017**.

111. Duman, E., Özcan, M.M., The Chemical Composition of Achillea wilhelmsii, Leucanthemum vulgare and Thymus citriodorus Essential Oils, Journal of Essential Oil-Bearing Plants, 20 (5), 1310-1319, **2017**.

Публ. № 29: Kaneva, M., **Trendafilova, A.**, Vitkova, A., Kemilev, St., Todorova, M., Comparative investigation on the composition and properties of extracts of different *Achillea millefolium* taxa, *Journal of Eco Agri Tourism*, 6, 3(20), 120-125 (2010). **ISSN 1844-8577**

112. Sh. Dokhani., T. D. Durance., T. Cottrell, and G. Mazza, Drying Effects on Major Volatile and Phenolic Components of Achillea filipendulina Lam, *JEOBP* 15 (6), 885 – 894 (**2012**).

Публ. № 30: **Trendafilova A.**, Chanev C., Todorova M., Ultrasound-assisted extraction of alantolactone and isoalantolactone from *Inula helenium* roots, *Phcog Mag*, **6** 234-237, 2010.

113. Ghedira, K., Goetz, P., Le Jeune, R., Inula helenium L. (Asteraceae): Elecampane [Inula helenium L. (Asteraceae) : Aunée], *Phytotherapie* 9 (3), 176-179, **2011**.

114. Wang, J., Zhao, Y.-M., Guo, C.-Y., Zhang, S.-M., Liu, C.-L., Zhang, D.-S., Bai, X.-M., Ultrasound-assisted extraction of total flavonoids from *Inula helenium*, Pharmacognosy Magazine, 8 (30), 166-170, **2012**.

115. Li, Y., Ni, Z.Y., Zhu, M.C., Dong, M., Wang, S.M., Shi, Q.W., Zhang, M.L., Wang, Y.F., Huo, C.H., Kiyota, H., Cong, B. Antitumour Activities of Sesquiterpene Lactones from *Inula helenium* and *Inula japonica*. Zeitschrift fur Naturforschung C, 67, 375-380, **2012**.

116. Khan, M., Li, T., Ahmad Khan, M.K., Rasul, A., Nawaz, F., Sun, M., Zheng, Y., Ma, T., Alantolactone induces apoptosis in HepG2 cells through GSH depletion, inhibition of STAT3 activation, and mitochondrial dysfunction, *BioMed Research International*, art. no. 719858, **2013**.
117. Ma, Y.-Y., Zhao, D.-G., Gao, K., Structural investigation and biological activity of sesquiterpene lactones from the Traditional Chinese Herb *Inula racemosa*, Journal of Natural Products 76 (4), 564-570, **2013**.
118. Gökbulut, A., Şarer, E.Isolation and quantification of alatolactone/isoalantolactone from the roots of *Inula subsp. turcoracemosa*, Turkish Journal of Pharmaceutical Sciences, 10(3), 447-452, **2013**.
119. Mi, X.G.; Song, Z.B.; Wum P.; Zhang, Y.W.; Sun, L.G.; Bao, Y.L.; Zhang, Y.; Zheng, L.H.; Sun, Y.; Yu, C.L.; Wu, Y.; Wang, G.N.; Li, Y.X.; Alantolactone induces cell apoptosis partially through down-regulation of testes-specific protease 50 expression, Toxicology Letters., 224(3), 349-355, **2014**.
120. Seca, A. M. L.;, Grigore, A., Pinto, D. C. G. A., Silva, A. M. S., The genus *Inula* and their metabolites: From ethnopharmacological to medicinal uses, Journal of Ethnopharmacology, 154(2), 286-310, **2014**.
121. Abed, K.M., Noori, W.O., Darwesh, O.M. Extraction of bio-active compounds extracted from Inula helenium roots by leaching process, Research Journal of Pharmaceutical, *Biological and Chemical Sciences*, 5, 254-261, **2014**.
122. Zhang, X.L., Li, C.L., Yin, X., Su, X.Y., Yu, D.H. A comparison study on microwave-assisted extraction of catalpol from rehmannia glutinosa libosch with conventional methods, Advanced Materials Research, 1033-1034, 329-336, **2014**.
123. Butu, M., Butnariu, M., Rodino, S., Butu, A. Study of zingiberene from Lycopersicon Esculentum fruit by mass spectrometry, *Digest Journal of Nanomaterials and Biostructures*, 9, 935-941, **2014.**
124. Seca AM, Pinto DC, Silva AM, Metabolomic Profile of the Genus Inula. Chem Biodivers. 12(6), 859-906, **2015**.
125. Zhao YM, Wang J, Liu HB, Guo CY, Zhang WM, Microwave-assisted Extraction of Alantolactone and Isoalantolactone from Inula helenium, Indian J Pharm Sci., 77,116-20, **2015.**
126. Qin, C.-Z., Lv, Q.-L., Wu, N.-Y., Cheng, L., Chu, Y.-C., Chu, T.-Y., Hu, L., Cheng, Y., Zhang, X., Zhou, H.-H. Mechanism-based inhibition of Alantolactone on human cytochrome P450 3A4 in vitro and activity of hepatic cytochrome P450 in mice, Journal of Ethnopharmacology, 168, 146-149, **2015**.
127. Zhao, P., Pan, Z., Luo, Y., Zhang, L., Li, X., Zhang, G., Zhang, Y., Cui, R., Sun, M., Zhang, X. Alantolactone Induces Apoptosis and Cell Cycle Arrest on Lung Squamous Cancer SK-MES-1 Cells, Journal of Biochemical and Molecular Toxicology, 29, 199-206, **2015**.
128. Stojakowska, A., Malarz, J., Kisiel, W. Quantitative analysis of sesquiterpene lactones and thymol derivatives in extracts from Telekia speciose, Phytochemistry Letters, 11, 378-383, **2015**.
129. Petkova N., Vrancheva R, Mihaylova D, Ivanov I, Pavlov A, Denev P, Antioxidant activity and fructan content in root extracts from elecampane (Inula helenium L.), J. BioSci. Biotechnol., 4, 101-107, **2015**.
130. Weng, Z., Gao, H., Hu, J., Fan, Y., Wang, H., Li, L. Isoalantolactone induces autophagic cell death in SKOV3 human ovarian carcinoma cells via upregulation of PEA-15, Oncology Reports, 35 (2), 833-840, **2016**.
131. Petkova, N., Ivanov, I., Vrancheva, R., Denev, P., Pavlov, A. Ultrasound and microwave-assisted extraction of elecampane (Inula helenium) roots Natural Product Communications, 12 (2), 171-174, **2017.**
132. de Faria, E.L.P., do Carmo, R.S., Cláudio, A.F.M., Freire, C.S.R., Freire, M.G., Silvestre, A.J.D. Deep eutectic solvents as efficient media for the extraction and recovery of cynaropicrin from cynara cardunculus L. Leaves International Journal of Molecular Sciences, 18 (11), art. no. 2276, **2017**.
133. Yang, Y., Tu, R., Sun, W., Zhu, Z., Zhang, Y. Silver perchlorate in the mobile phase for rapid separation and determination of a pair of positional isomers in Inula racemosa Hook.f. with RP-HPLC, Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 1063, 25-30, **2017**.
134. Asmira Abd Rahim, E.N., Ismail, A., Omar, M.N., Rahmat, U.N., Nizam Wan Ahmad, W.A. GC-MS Analysis of Phytochemical Compounds in Syzygium polyanthum Leaves Extracted using Ultrasound-Assisted Method. Pharmacog J. 10(1), 110-9**, 2018**.
135. de Faria ELP, Gomes MV, Cláudio AFM, Freire CSR, Silvestre AJD, Freire MG, Extraction and recovery processes for cynaropicrin from Cynara cardunculus L. using aqueous solutions of surface-active ionic liquids, Biophysical Reviews, 1-11, **2018**.
136. Yang, Y., Zhang, Y., Wei, C., Li, J., Sun, W. "Silver ion chromatography for peak resolution enhancement: Application to the preparative separation of two sesquiterpenes using online heart-cutting LC-LC technique." Talanta 187, 252-258, **2018.**
137. Koc, K., Ozdemir, O., Ozdemir, A., Dogru, U., Turkez, H. "Antioxidant and anticancer activities of extract of Inula helenium (L.) in human U-87 MG glioblastoma cell line." Journal of Cancer Research and Therapeutics, 14 (3), 658, **2018.**
138. Cui, L., Bu, W., Song, J., Feng, L., Xu, T., Liu, D., Ding, W., Wang, J., Li, C., Ma, B., Luo, Y., Jiang, Z., Wang, C., Chen, J., Hou, J., Yan, H., Yang, L., Jia, X. "Apoptosis induction by alantolactone in breast cancer MDA-MB-231 cells through reactive oxygen species-mediated mitochondrion-dependent pathway." Archives of Pharmacal Research 41, 299-313, **2018**.
139. Kishkentayeva, A.S., Adekenov, S.M., Drašar, P.B. Production technologies of pharmacologically active sesquiterpene lactones, Eurasian Chemico-Technological Journal, 20 (4), 325-333, **2018.**

140. Kang, X., Wang, H.J., Li, Y.W., Xiao, Y., Zhao, L.L., Zhang, T.T., Zhou, S.H., Zhou, X.L., Li, Y., Shou, Z.X., Chen, C., Li, B., Alantolactone induces apoptosis through ROS-mediated AKT pathway and inhibition of PINK1-mediated mitophagy in human HepG2 cells, Artificial Cells Nanomedicine dnd Biotechnology, 47, 1961-1970, **2019**.

141. Jakovljević, M.R., Grujičić, D., Živanović, M., Stanković, M., Ćirić, A., Djurdjević, P., Todorović, Ž., Živančević-Simonović, S., Mihaljević, O., Milošević-Djordjević, O., Ethyl acetate extracts of two Artemisia species: Analyses of phenolic profile and anticancer activities against SW-480 colon cancer cells, Natural Product Communications, 14 (5), **2019**

Публ. № 35: Todorova, M., Trendafilova, A., Danova, K., Dimitrov, D., Phytochemical study of *Anthemis rumelica* (Velen.) Stoj. & Acht., *Biochem. Syst. Ecol.* 39, 868-871 (2011).

142. Fraga, B.M., Natural sesquiterpenoids, Natural Product Reports, 29 (11) 1334-1366, **2012**.

143. Ciccarelli, D., Noccioli, C., Pistelli, L., Chemical composition of essential oils and aromatic waters from different Italian Anthemis maritima populations, Chemistry and Biodiversity 10 (9) , 1667-1682, **2013**.

144. Zaghloul, A.M., Yusufoglu, H.S., Salkini, M.A.A., Alam, A. New cytotoxic sesquiterpene lactones from Anthemis scrobicularis, Journal of Asian Natural Products Research, 16 (9), 922-929, **2014**.

145. Ciccarelli, D., Giovanelli, S., Pistelli, L. Essential Oils from Anthemis maritima Flowers: Infraspecific Variability along the Adriatic Coast (Italy), Chemistry and Biodiversity, 13 (5), 561-570, **2016**.

Публ. № 36: Trendafilova A., Todorova M., Nikolova, M., Gavrilova, A., Vitkova A, Flavonoid Constituents and Free Radical Scavenging Activity of *Alchemilla mollis*, *Natural Product Communications*, **6**, 2011, 1851-1854.

146. Ergene, B., Bahadir Acikara, Ö., Bakar, F., Saltan, G., Nebioğlu, S. Antioxidant activity and phytochemical analysis of Alchemilla persica Rothm, Ankara Universitesi Eczacilik Fakultesi Dergisi, 39 (2), 145-154, **2010.**

147. Kabbash, A., Shoeib, N., Chemical and biological investigation of some secondary metabolites in Atriplex halimus growing in Egypt, *Natural Product Communications* 7 (11), 1465-1468, **2012**.

148. Duckstein, S.M., Lotter, E.M., Meyer, U., Lindequist, U., Stintzing, F.C., Phenolic constituents from Alchemilla vulgaris L. and Alchemilla mollis (Buser) rothm. at different dates of harvest, Zeitschrift fur Naturforschung - Section C Journal of Biosciences 67 C (11-12) , 529-540**, 2012**.

149. Tu, Y., Sun, W., Wan, Y.-G., Che, X.-Y., Pu, H.-P., Yin, X.-J., Chen, H.-L., Meng, X.-J., Huang, Y.-R., Shi, X.-M. Huangkui capsule, an extract from Abelmoschus manihot (L.) medic, ameliorates adriamycin-induced renal inflammation and glomerular injury via inhibiting p38MAPK signaling pathway activity in rats, *Journal of Ethnopharmacology* 147 (2), 311-320, **2013**.

150. Handoussa, H., Hanafi, R., Eddiasty, I., El-Gendy, M., El Khatib, A., Linscheid, M., Mahran, L., Ayoub, N., Anti-inflammatory and cytotoxic activities of dietary phenolics isolated from Corchorus olitorius and Vitis vinifera, *Journal of Functional Foods*, 5, issue 3, pp. 1204 – 1216, **2013**.

151. Smith, K., Zeng, X., Lin, J., Discovery of bile salt hydrolase inhibitors using an efficient high-throughput screening system, PLoS One, 9(1), e85344/1-e85344/9, **2014**

152. Todorov, D., Hinkov, A., Shishkova, K., Shishkov, St., Antiviral potential of Bulgarian medicinal plants, Phytochemistry Reviews, 13(2), 525-538, **2014**.

153. O. Sytar, K. Bruckova, E. Hunkova, M. Zivcak, K. Konate and M. Brestic, The application of multiplex fluorimetric sensor for the analysis of flavonoids content in the medicinal herbs family Asteraceae, Lamiaceae, Rosaceae, *Biological Research*, **48,** 5, **2015**.

154. Küpeli Akkol, E., Demirel, M.A., Bahadır Acıkara, O., Süntar, I., Ergene, B., Ilhan, M., Ozbilgin, S., Saltan, G., Keleş, H., Tekin, M. Phytochemical analyses and effects of Alchemilla mollis (Buser) Rothm. and Alchemilla persica Rothm. in rat endometriosis model, Archives of Gynecology and Obstetrics, 292 (3), 619-628, **2015**.

155. Mao, Z.-M., Shen, S.-M., Wan, Y.-G., Sun, W., Chen, H.-L., Huang, M.-M., Yang, J.-J., Wu, W., Tang, H.-T., Tang, R.-M. Huangkui capsule attenuates renal fibrosis in diabetic nephropathy rats through regulating oxidative stress and p38MAPK/Akt pathways, compared to α-lipoic acid, Journal of Ethnopharmacology, 173, 256-265, **2015.**

156. Krivokuća M, Niketić M, Milenković M, Golić N, Masia C, Scaltrito MM, Sisto F, Kundaković T. Anti-Helicobacter pylori Activity of Four Alchemilla Species (Rosaceae), Nat Prod Commun. 10(8),1369-71, **2015**.

157. Afshar, FH , Maggi, F, Ferrari, S, Peron, G, Dall'Acqua, S. Secondary Metabolites of Alchemilla persica Growing in Iran (East Azarbaijan), Nat Prod Commun. 10, 1705-1708, **2015**

158. Nedyalkov, P., Kaneva, M., Mihaylova, D., Kostov, G., Kemilev, S. Influence of the ethanol concentration on the antioxidant capacity and polyphenol content of Alchemilla mollis extracts, Comptes Rendus de L'Academie Bulgare des Sciences, 68 (12), 1491-1502, **2015**.

159. Ge, J., Miao, J.-J., Sun, X.-Y., Yu, J.-Y., Huangkui capsule, an extract from Abelmoschus manihot (L.) medic, improves diabetic nephropathy via activating peroxisome proliferator-activated receptor (PPAR)-α/γ and attenuating endoplasmic reticulum stress in rats, Journal of Ethnopharmacology, 189, 238-249, **2016**

160. Öz, B.E., Ilhan, M., Özbilgin, S., Akkol, E.K., Acıkara, O.B., Saltan, G., Keleş, H., Süntar, I. Effects of Alchemilla mollis and Alchemilla persica on the wound healing process, Bangladesh Journal of Pharmacology, 11 (3), 577-584, **2016**.
161. El-Aasr, M., Kabbash, A., Abo El-Seoud, K.A., Al-Madboly, L.A., Ikeda, T. Antimicrobial and immunomodulatory activities of flavonol glycosides isolated from Atriplex halimus L. Herb, Journal of Pharmaceutical Sciences and Research, 8 (10), 1159-1168, **2016**.
162. Ozbek, H., Acikara, O.B., Keskin, I., Kirmizi, N.I., Ozbilgin, S., Oz, B.E., Kurtul, E., Ozrenk, B.C., Tekin, M., Saltan, G. Evaluation of hepatoprotective and antidiabetic activity of Alchemilla mollis, Biomedicine and Pharmacotherapy, 86, 172-176, **2017**.
163. Şeker Karatoprak, G., İlgün, S. and Koşar, M., Phenolic Composition, Anti-Inflammatory, Antioxidant, and Antimicrobial Activities of Alchemilla mollis (Buser) Rothm., Chem. Biodiversity, 14, e1700150, **2017**
164. Sytar, O., Hemmerich, I., Zivcak, M., Rauh, C., Brestic, M., Comparative analysis of bioactive phenolic compounds composition from 26 medicinal plants, Saudi Journal of Biological Sciences, 25(4), 631-641, **2018**.
165. Firdous, S.M., Sautya, D., Medicinal plants with wound healing potential, Bangladesh Journal of Pharmacology, 13(1), 41-52, **2018**.
166. Ammar, I., Ben Salem, M., Harrabi, B., Mzid, M., Bardaa, S., Sahnoun, Z., Attia, H., Ennouri, M., Anti-inflammatory activity and phenolic composition of prickly pear (Opuntia ficus-indica) flowers, Industrial Crops and Products, 112, 313-319, **2018**.
167. Hwang, E., Ngo, H.T.T., Seo, S.A., Park, B., Zhang, M., Yi, T.-H., Protective effect of dietary Alchemilla mollis on UVB-irradiated premature skin aging through regulation of transcription factor NFATc1 and Nrf2/ARE pathways, Phytomedicine, 39, 125-136, **2018**.
168. Liu S, Ye L, Tao J, Ge C, Huang L, Yu J, Total flavones of Abelmoschus manihot improve diabetic nephropathy by inhibiting the iRhom2/TACE signalling pathway activity in rats, Pharmaceutical Biology 56(1):1-11, **2018**.
169. Wu, W., Hu, W., Han, W.-B., Liu, Y.-L., Tu, Y., Yang, H.-M., Fang, Q.-J., Zhou, M.-Y., Wan, Z.-Y., Tang, R.-M., Tang, H.-T., Wan, Y.-G., Inhibition of Akt/mTOR/p70S6K signaling activity with Huangkui capsule alleviates the early glomerular pathological changes in diabetic nephropathy, Frontiers in Pharmacology, 9, art. no. 443, **2018**
170. Grochowski, DM , Locatelli, M , Granica, S, Cacciagrano, F , Tomczyk, M, A Review on the Dietary Flavonoid Tiliroside, Comprehensive Reviews in Food Science and Food Safety, 17 (5), 1395-1421 **DOI:** 10.1111/1541-4337.12389, **2018**.
171. Renda G., Özel A., Barut B., Korkmaz B. , Šoral M., Kandemir Ü. , Liptaj T., Bioassay Guided Isolation of Active Compounds from Alchemilla barbatiflora Juz., Rec. Nat. Prod. 12, 76-85, **2018**.

Публ. № 40: Trendafilova A., Todorova M., Gavrilova, A., Vitkova A, Flavonoid glycosides from Bulgarian endemic *Alchemilla achtarowii* Pawl, Biochem. Syst. Ecol. 43, 156-158, 2012
172. Todorov, D., Hinkov, A., Shishkova, K., Shishkov, S. Antiviral potential of Bulgarian medicinal plants, Phytochemistry Reviews, 13 (2), 525-538, **2014**.
173. Mekhelfi, T., Kerbab, K., Guella, G., Zaiter, L., Benayache, S., Benayache, F. Phytochemical constituents of Thymelaea microphylla Coss. et Dur. from Algeria, Der Pharmacia Lettre, 6 (1), 152-156, **2014**.
174. Neagu, E., Paun, G., Albu, C., Radu, G.-L. Assessment of acetylcholinesterase and tyrosinase inhibitory and antioxidant activity of Alchemilla vulgaris and Filipendula ulmaria extracts, Journal of the Taiwan Institute of Chemical Engineers, 52, 1-6, **2015**.
175. Küpeli Akkol, E., Demirel, M.A., Bahadır Acıkara, O., Süntar, I., Ergene, B., Ilhan, M., Ozbilgin, S., Saltan, G., Keleş, H., Tekin, M. Phytochemical analyses and effects of Alchemilla mollis (Buser) Rothm. and Alchemilla persica Rothm. in rat endometriosis model, Archives of Gynecology and Obstetrics, 292 (3), 619-628, **2015**.
176. Krivokuća M, Niketić M, Milenković M, Golić N, Masia C, Scaltrito MM, Sisto F, Kundaković T. Anti-Helicobacter pylori Activity of Four Alchemilla Species (Rosaceae), Nat Prod Commun**.** 10(8),1369-71, **2015**.
177. Zhu, Y., Zhang, N., Li, P., Pharmacognostical identification of *Alchemilla japonica* Nakai et Hara, J Pharm Pharmacogn Res 3(3): 59-68, **2015**.
178. Nedyalkov, P., Kaneva, M., Mihaylova, D., Kostov, G., Kemilev, S. Influence of the ethanol concentration on the antioxidant capacity and polyphenol content of alchemilla mollis extracts, Comptes Rendus de L'Academie Bulgare des Sciences, 68 (12), 1491-1502, **2015**.
179. Öz, B.E., Ilhan, M., Özbilgin, S., Akkol, E.K., Acıkara, O.B., Saltan, G., Keleş, H., Süntar, I. Effects of Alchemilla mollis and Alchemilla persica on the wound healing process, Bangladesh Journal of Pharmacology, 11 (3), 577-584, **2016**.
180. İlgün S., Baldemir A., Şam N., Delimustafaoglu F., Kosar M., Phytochemical and morpho-anatomical properties of Alchemilla mollis (Buser) Rothm. Growing in Turkey, Bangladesh Journal of Botany, 45 (3), 685-692, **2016**
181. Ozbek, H., Acikara, O.B., Keskin, I., Kirmizi, N.I., Ozbilgin, S., Oz, B.E., Kurtul, E., Ozrenk, B.C., Tekin, M., Saltan, G. Evaluation of hepatoprotective and antidiabetic activity of Alchemilla mollis, Biomedicine and Pharmacotherapy, 86, 172-176, **2017**

182. Renda, G., Tevek, F., Korkmaz, B., Yayli, N. Comparison of the Alchemilla L. samples from Turkish herbal market with the European pharmacopoeia 8.0 Fabad Journal of Pharmaceutical Sciences, 42 (3), 167-177, **2017**.

183. Renda G. , Özel A., Barut B., Korkmaz B. , Šoral M., Kandemir Ü. , Liptaj T., Bioassay Guided Isolation of Active Compounds from Alchemilla barbatiflora Juz., Rec. Nat. Prod. 12, 76-85, **2018**.

184. Noman, L., Oke-Altuntas, F., Zellagui, A., Demirtas, I., Salah, R. Isochamaejasmin and other flavonoids isolated from an endemic Algerian desert species, Journal of the Turkish Chemical Society, Section A: Chemistry, 5, 347-354**, 2018**

185. Noman, L., Oke-Altuntas, F., Zellagui, A., Demirtas, I., Salah, R. Isochamaejasmin and other flavonoids isolated from an endemic Algerian desert species, Journal of the Turkish Chemical Society, Section A: Chemistry, 5 (2), 347-354, **2018**.

186. Chkalov, A.V., Pakina, D.V. The genus Alchemilla L. (Rosaceae) in the Perm Territory flora, Turczaninowia, 22 (1), 77-110, **2019**

Публ. № 44: Danova, K.; Todorova, M.; Trendafilova, A.; Evstatieva, L.; Cytokinin and auxin effect on the terpenoid profile of the essential oil and morphological characteristics of shoot cultures of *Artemisia alba*, *Nat Prod Commun* 7 (**2012**) 1075–1076. ISSN: P-1934-578X, E-1555-9475.

187. Khan, M.S.; Zaidi, A.; Ahmad, E.; Mechanism of Phosphate Solubilization and Physiological Functions of Phosphate-Solubilizing Microorganisms, Chapter 2 in: M.S. Khan et al. (eds.), Phosphate Solubilizing Microorganisms, 31-62, Springer International Publishing Switzerland, **2014**.

188. Worakan, P., Karaket, N., Maneejantra, N., Supaibulwatana, K., A Phenylurea Cytokinin, CPPU, Elevated Reducing Sugar and Correlated to Andrographolide Contents in Leaves of Andrographis paniculata (Burm. F.) Wall. Ex Nees, Applied Biochemistry and Biotechnology, 181 (2), 638-649, **2017**

Публ. № 47: Stanilova M, Gorgorov R, **Trendafilova A**, Nikolova M, Vitkova A., Influence of nutrient medium composition on in vitro growth, polyphenolic content and antioxidant activity of Alchemilla mollis. Natural Product Communications, 7**,** 2012, 761-6.

189. Afshar, F. H., Maggi, F, Ferrari, S, Peron, G, Dall'Acqua, S. Secondary Metabolites of Alchemilla persica Growing in Iran (East Azarbaijan), Nat Prod Commun. 10, 1705-1708, **2015**.

190. Hwang, E., Ngo, H.T.T., Seo, S.A., Park, B., Zhang, M., Yi, T.-H., Protective effect of dietary Alchemilla mollis on UVB-irradiated premature skin aging through regulation of transcription factor NFATc1 and Nrf2/ARE pathways, Phytomedicine, 39, 125-136, **2018**.

191. Bina, F., Soleymani, S., Toliat, T., Hajimahmoodi, M., Tabarrai, M., Abdollahi, M., Rahimi, R. Plant-derived medicines for treatment of endometriosis: A comprehensive review of molecular mechanisms, Pharmacological Research, 139, 76-90, **2019**.

Публ. № 48: Trendafilova A., Todorova M., Evstatieva L., Antonova D., Variability in the essential oil composition of *Sideritis scardica* Griseb. from native Bulgarian populations, *Chemistry & Biodiversity*, 10 (3), 484-492 (2013).

192. Mihaylova, D.S.P., Anna, L., Albert, K.I., A study on the antioxidant and antimicrobial activities of pressurized-liquid extracts of Clinopodium vulgare and Sideritis scardica, Agro Food Industry Hi-Tech, 25 (6), 55-58, **2014**.

193. Lim, T.K., Sideritis scardica, Edible Medicinal and Non Medicinal Plants, 8, 207-214, **2014**

194. Qazimi, B., Stefkov, G., Karapandzova, M., Cvetkovikj, I., Kulevanova, S., Aroma compounds of mountain tea (Sideritis scardica and S. raeseri) from Western Balkan, Natural Product Communications, 9 (9), 1369-1372, **2014**.

195. Zengin, G., Sarıkürkçü, C., Aktümsek, A., Ceylan, R., Antioxidant potential and inhibition of key enzymes linked to Alzheimer's diseases and diabetes mellitus by monoterpene-rich essential oil from Sideritis galatica Bornm. Endemic to Turkey. Records of Natural Products, 10 (2), 195-206, **2016**.

196. Latté, K.P. Sideritis scardica Griseb, Zeitschrift fur Phytotherapie, 37, 85-91, **2016**.

197. Uritu, C.M., Mihai, C.T., Stanciu, G.-D., Dodi, G., Alexa-Stratulat, T., Luca, A., Leon-Constantin, M.-M., Stefanescu, R., Bild, V., Melnic, S., Tamba, B.I. Medicinal plants of the family Lamiaceae in pain therapy: A review, Pain Research & Management, art. no. 7801543, **2018**.

Публ. № 50: Todorova, M., **Trendafilova, A**., Evstatieva, L., Antonova, D., Volatile components in *Sideritis scardica* Griseb. cultivar, Compt. Rend. Acad. Bulg. Sci. 66 (4), 507-512, 2013.

198. Shtereva, L.A., Vassilevska-Ivanova, R.D., Kraptchev, B.V., In vitro cultures for micropropagation, mass multiplication and preservation of an endangered medicinal plant Sideritis scardica Griseb, Botanica Serbica, 39 (2), 111-120, **2015**.

199. Latté, K.P. Sideritis scardica Griseb., Zeitschrift fur Phytotherapie, 37, 85-91, **2016**.

Публ. № 51: Todorova, M., T**rendafilova, A**., Dimitrov, D., Essential oil composition of *Seseli rigidum* Waldst. from Bulgaria, Compt. Rend. Acad. Bulg. Sci. 66 (7), 991-996, 2013

200. Stankov-Jovanović, V.P., Ilić, M.D., Mitić, V.D., Mihajilov-Krstev, T.M., Simonović, S.R., Nikolić Mandić, S.D., Tabet, J.C., Cole, R.B. Secondary metabolites of Seseli rigidum: Chemical composition plus antioxidant, antimicrobial and cholinesterase inhibition activity (Qin) Journal of Pharmaceutical and Biomedical Analysis, 111, 78-90, **2015**.

201. Jovanović, V.S., Simonović, S., Ilić, M., Marković, M., Mitić, V., Djordjević, A., Nikolić-Mandić, S. Chemical composition, antimicrobial and antioxidant activities of Seseli pallasii Besser. (syn Seseli varium Trev.) essential oils, Records of Natural Products, 10 (3), 277-286, **2016**.

202. Marčetić, M., Kovačević, N., Lakušić, D., Lakušić, B., Habitat-related variation in composition of the essential oil of Seseli rigidum Waldst. & Kit. (Apiaceae), Phytochemistry, 135, 80-92, **2017**.

Публ. № 52: S. Krumova, V. Motyka, P. Dobrev, M. Todorova, **A. Trendafilova**, L. Evstatieva, K. Danova, Terpenoid profile of *Artemisia alba* is related to endogenous cytokinins in vitro, Bulgarian Journal of Agricultural Science, 19 (2), 26–30, 2013

203. Worakan, P., Karaket, N., Maneejantra, N., Supaibulwatana, K., A Phenylurea Cytokinin, CPPU, Elevated Reducing Sugar and Correlated to Andrographolide Contents in Leaves of Andrographis paniculata (Burm. F.) Wall. Ex Nees, Applied Biochemistry and Biotechnology, 181 (2), 638-649, **2017**

Публ. № 53: Todorova, M., Trendafilova, A., Javsmaa, N., Altantsetseg, S., Shatar, S., A new cembrane glycoside in Asterothamnus centrali-asiaticus from Gobi desert, Journal of Asian Natural Products Research, 15 (9), 1060-1063, 2013.

204. Garifullin, B. F., Sharipova, R. R., Strobykina, I. Yu., Babaev, V. M., Kataev, V. E., Synthetic glycosides containing two isosteviol fragments functionalized with D-glucopyranose, Russian Journal of Organic Chemistry, 50(4), 484-488, **2014**.

205. Ren, J., Su, Y.-L. Research progress on cembranoid type ring diterpenes, Chinese Traditional and Herbal Drugs, 45 (20), 2997-3008, **2014**.

206. Hanson, J.R. Diterpenoids of terrestrial origin, Natural Product Reports, 32 (1), 76-87, **2015**.

207. Wang, Y.-M., Zhao, J.-Q., Yang, C.-Y., Tao, Y.-D., Mei, L.-J., Shi, Y.-P. Anti-oxidant components from the aerial parts of Asterothamnus centrali-asiaticus, Phytochemistry Letters, 17, 71-74, **2016**.

208. Wang, Y.-M., Zhao, J.-Q., Zhou, S.-Y., Yang, J.-L., Yao, X.-J., Tao, Y.-D., Mei, L.-J., Shi, Y.-P. New sesquiterpenes and benzofuran derivatives from the aerial parts of Asterothamnus centrali-asiaticus, Tetrahedron, 72 (32), 4910-4917, **2016**

209. Wang, Y.-M., Zhao, J.-Q., Yang, J.-L., Tao, Y.-D., Mei, L.-J., Shi, Y.-P. Isolation and Identification of Saponins from the Natural Pasturage Asterothamnus centrali-asiaticus Employing Preparative Two-Dimensional Reversed-Phase Liquid Chromatography/Hydrophilic Interaction Chromatography, Journal of Agricultural and Food Chemistry, 64 (24), 4950-4957, **2016**.

Публ. № 55: Todorova, M., *Trendafilova, A.*, *Sideritis scardica* Griseb., an endemic species of Balkan peninsula: Traditional uses, cultivation, chemical composition, biological activity, J Ethnopharmacol**.,** 152 156-165 (**2014**)

210. Shtereva, L.A., Vassilevska-Ivanova, R.D., Kraptchev, B.V. In vitro cultures for micropropagation, mass multiplication and preservation of an endangered medicinal plant Sideritis scardica Griseb, Botanica Serbica, 39 (2), 111-120, **2015**.

211. Hofrichter, J., Krohn, M., Schumacher, T, Lange, C, Feistel, B, Walbroel, B., | Pahnke, J., Sideritis spp. Extracts Enhance Memory and Learning in Alzheimer's β-Amyloidosis Mouse Models and Aged C57Bl/6 Mice, Journal of Alzheimer's Disease, vol. Preprint, no. Preprint, 53 (3), 967-980, **2016**

212. Latté, K.P. Sideritis scardica Griseb, Zeitschrift fur Phytotherapie, 37 (2), 85-91, **2016**.

213. Kim, S.P., Lee, S.J., Nam, S.H., Friedman, M. Elm Tree (Ulmus parvifolia) Bark Bioprocessed with Mycelia of Shiitake (Lentinus edodes) Mushrooms in Liquid Culture: Composition and Mechanism of Protection against Allergic Asthma in Mice, Journal of Agricultural and Food Chemistry, 64 (4), 773-784, **2016**.

214. Vassilevska-Ivanova, R., Shtereva, L., Stancheva, I., Geneva, M., Hristozkova, M. Determination of the antioxidant capacity of Sideritis Scardica Specimens collected at different regions in Bulgaria Comptes Rendus de L'Academie Bulgare des Sciences, 69 (10), 1307-1314, **2016**

215. Yavuz, D.Ö. Optimization of Regeneration Conditions and In Vitro Propagation of Sideritis Stricta Boiss & Heldr, International Journal of Biological Macromolecules, 90, 59-62, **2016**.

216. Sarropoulou, V., Maloupa, E., Effect of the NO donor "sodium nitroprusside" (SNP), the ethylene inhibitor "cobalt chloride" (CoCl2) and the antioxidant vitamin E "α-tocopherol" on in vitro shoot proliferation of Sideritis raeseri Boiss. & Heldr. subsp. raeseri, Plant Cell, Tissue and Organ Culture, 128 (3), 619-629, **2017**.

217. Korompokis, K., Igoumenidis, P., Mourtzinos, I., Karathanos, V.T., Green extraction and simultaneous inclusion complex formation of Sideritis scardica polyphenols, International Food Research Journal 24 (3), 1233 – 1238, **2017**.

218. Suica-Bunghez, I.-R., Teodorescu, S., Bucurica, I.-A., Somoghi, R., Ion, R.-M. Characterization of antioxidant activity and phytochemical compounds, metal nanoparticles obtained by sideritis scardica extracts, Revue Roumaine de Chimie, 62, 545-552, **2017**

219. Deveci, E., Tel-Çayan, G., Yıldırım, H., Duru, M. E., Chemical composition, antioxidant, anticholinesterase and anti-urease activities of Sideritis pisidica Boiss. & Heldr. endemic to Turkey. Marmara Pharmaceutical Journal **.**, 21, 898-905, **2017**.
220. Dimaki V. D. , Iatrou G. , Lamari F. N. , Effect of acidic and enzymatic pretreatment on the analysis of mountain tea (Sideritis spp.) volatiles via distillation and ultrasound-assisted extraction, Journal of Chromatography A, 1524, 290-297, **2017**.
221. Mabrouki, H., Duarte, C.M.M., Akretche, D.E., Estimation of Total Phenolic Contents and In Vitro Antioxidant and Antimicrobial Activities of Various Solvent Extracts of Melissa officinalis L., Arab J Sci Eng, **2017**.
222. Irakli, M., Tsifodimou, K., Sarrou, E., Chatzopoulou, P., Optimization infusions conditions for improving phenolic content and antioxidant activity in Sideritis scardica tea using response surface methodology, Journal of Applied Research of Medicinal and Aromatic Plants 8, 67 – 74, **2018.**
223. Melzig, M.F., Greek mountain tea: Facts about a traditionally used medicinal plant [PHYTOFORSCHUNG Griechischer Bergtee Fakten zu einer traditionell verwendeten Arzneipflanze], Deutsche Apotheker Zeitung 158 (3), **2018**.
224. Heiner F., Feistel B., Wink M., Sideritis scardica extracts inhibit aggregation and toxicity of amyloid- β in Caenorhabditis elegans used as a model for Alzheimer's disease, PeerJ 6, e4683, **2018**.
225. Uritu C. M., Mihai C. T., Stanciu G.-D., Dodi G., Alexa-Stratulat T., Luca A., Leon-Constantin M.-M., Stefanescu R., Bild V., Melnic S., Tamba B. I., Medicinal Plants of the Family Lamiaceae in Pain Therapy: A Review, Pain Research & Management, Article ID 7801543, **2018**.
226. Begas, E., Kilindris, T., Kouvaras, E., Tsioutsioumi, A., Kouretas, D., Asprodini, E.K. "Dietary effects of Sideritis scardica "mountain tea" on human in vivo activities of xenobiotic metabolizing enzymes in healthy subjects." Food and Chemical Toxicology 122: 38-48, **2018**
227. Wightman, E.L., Jackson, P.A., Khan, J., Forster, J., Heiner, F., Feistel, B., Suarez, C.G., Pischel, I., Kennedy, D.O. "The Acute and Chronic Cognitive and Cerebral Blood Flow Effects of a Sideritis scardica (Greek Mountain Tea) Extract: A Double Blind, Randomized, Placebo Controlled, Parallel Groups Study in Healthy Humans." Nutrients, 10, # 955, **2018**
228. Feistel, B., Wegener, T., Rzymski, P., Pischel, I. "Assessment of the Acute and Subchronic Toxicity and Mutagenicity of Sideritis scardica Griseb. Extracts." Toxins, 10, 258, **2018**
229. Zengin, G., Uğurlu, A., Baloglu, M.C., Diuzheva, A., Jekő, J., Cziáky, Z., Ceylan, R., Aktumsek, A., Picot-Allain, C.M.N., Fawzi Mahomoodally, M., Chemical fingerprints, antioxidant, enzyme inhibitory, and cell assays of three extracts obtained from Sideritis ozturkii Aytaç & Aksoy: An endemic plant from Turkey, Journal of Pharmaceutical and Biomedical Analysis, 171, 118-125, **2019**.

Публ. № 57: Todorova, M., Trendafilova, A., Danova, K., Simmons, L., Wolfram, E., Meier, B., Riedl, R., Evstatieva, L. Highly oxygenated sesquiterpenes in *Artemisia alba* Turra, Phytochemistry , 110, 140-149, 2015
230. Shi, Z.-R., Zhang, X.-Y., Zeng, R.-T., Zhuo, Z.-G., Feng, F., Shen, Y.-H., Zhang, W.-D., Sesquiterpenoids from Ainsliaea spicata and their cytotoxic and NO production inhibitory activities, Phytochemistry Letters, 18, 87-9, **2016**.
231. Li, D., Wang, K.-W., Natural new sesquiterpenes: Structural diversity and bioactivity, Current Organic Chemistry, 20 (9), 994-1042, **2016**
232. Peron G., Baldan V., Sut S., Faggian M., Roccabruna L., Zanini D., Manzini P., Maggi F., Dall'Acqua S., Phytochemical investigations on Artemisia alba Turra growing in the North-East of Italy, Natural Product Research, 31, 1861-1868, **2017**.
233. Afiyatullov, Sh. Sh., Leshchenko, E. V., Sobolevskaya, M. P., Antonov, A. S., Denisenko, V. A., Popov, R. S., Khudyakova, Yu. V., Kirichuk, N. N., Kuz'mich, A. S., Pislyagin, E. A., Kim, N. Yu., Berdyshev, D. V., New Thomimarine E from Marine Isolate of the Fungus Penicillium thomii, Chemistry of Natural Compounds, 53, 1573-8388, **2017**.
234. Sainz, P., Cruz-Estrada, Á., Díaz, C.E., González-Coloma A., The genus Artemisia: distribution and phytochemistry in the Iberian Peninsula and the Canary and Balearic Islands, Phytochem Rev., 16 (5), 1023-1043, **2017**.
235. Zhang, L., Duan, J., Lv, J. Phytochemistry and bioactivities of sesquiterpenoids from the Artemisia species Journal of Chinese Pharmaceutical Sciences, 26 (5), 317-334, **2017**.

Публ. № 58: A. Ibraliu.1, A. B. Trendafilova, B. D. Anđelković, B. Qazimi, D. M. Gođevac, D. Shengjergji, E. Bebeci, G. Stefkov, G. Zdunic, I. I. Aneva, I. Pasho, J. Petreska-Stanoeva, K. I. Alipieva, K. Savikin, L. N. Evstatieva, N. Menkovic, M. I. Stefova, M. Popova, M. B. Jadranin, M. N. Todorova, P. Denev, S. Kulevanova, V. S. Bankova, V. Gurazi and V. Papajani-Toska, Comparative Study of Balkan Sideritis Species from Albania, Bulgaria and Macedonia, European Journal of Medicinal Plants, 5, 328-340, 2015.
236. 1. Latté, K.P. Sideritis scardica Griseb, Zeitschrift fur Phytotherapie, 37 (2), 85-91, **2016**.
237. Begas, E., Kilindris, T., Kouvaras, E., Tsioutsioumi, A., Kouretas, D., Asprodini, E. K. Dietary effects of Sideritis scardica "mountain tea" on human in vivo activities of xenobiotic metabolizing enzymes in healthy subjects, Food and Chemical Toxicology, 122, 38-48, **2018**

Публ. № 59: **Trendafilova, A.**, Jadranin, M., Gorgorov, R., Stanilova, M.. Bioactive Compounds in Wild, In vitro Obtained, Ex vitro Adapted, and Acclimated Plants of Centaurea davidovii (Asteraceae). Natural Product Communications, 10, 839 – 841 (2015).

238. Zengin G., Aktumsek A., Boga M., Ceylan R., Uysal S., Essential Oil Composition of an Uninvestigated Centaurea Species from Turkey: Centaurea patula DC., Journal of Essential Oil Bearing Plants, 19, 485-491**, 2016.**

239. Vujčić V, Radić Brkanac S, Radojčić Redovniković I, Ivanković S, Stojković R, Žilić I, Radić Stojković M. Phytochemical and Bioactive Potential of in vivo and in vitro Grown Plants of Centaurea ragusina L. - Detection of DNA/RNA Active Compounds in Plant Extracts via Thermal Denaturation and Circular Dichroism. Phytochem Anal. 28(6): 584-592, **2017**.

240. Zhu, B., Wu, L., Wan, H., Yang, K., Si, J., Qin, L.. "Fungal elicitors stimulate biomass and active ingredients accumulation in Dendrobium catenatum plantlets." Biologia 73,10, 917-926, **2018**

Публ. № 62: Todorova, M., **Trendafilova, A.**, Vitkova, A., Petrova, M., Zayova, E., Antonova, D.. Developmental and Environmental Effects on Sesquiterpene Lactones in Cultivated *Arnica montana* L., Chemistry & Biodiversity, 13, 8, 976-981, 2016

241. Roux, D., Alnaser, O., Garayev, E., Baghdikian, B., Elias, R., Chiffolleau, P., Ollivier, E., Laurent, S., El Maataoui, M., Sallanon, H., Ecophysiological and phytochemical characterization of wild populations of Inula montana L. (Asteraceae) in Southeastern France, Flora, 236–237, 67-75, **2017**.

Публ. № 64: Ivanova, V, Trendafilova, A, Todorova, M, Danova, K, Dimitrov, D, Phytochemical Profile of Inula britannica from Bulgaria, Natural Product Communications, 12 **(**2), 153-154, 2017 .

242. Zarei, M., Mohammadi, S., Komaki, A.,Antinociceptive activity of Inula britannica L. and patuletin: In vivo and possible mechanisms studies." Journal of Ethnopharmacology, 219, 351-358, **2018**

243. Tavares, W.R., Seca, A.M.L., Inula L. secondary metabolites against oxidative stress-related human diseases, Antioxidants, 8 (5), art. no. 122, **2019**

Публ. № 67: Todorova M, Trendafilova A, Ivanova V, Danova K, Dimitrov D, Essential oil composition of *Inula britannica* L. from Bulgaria, Nat. Prod. Res., 2017, 31, 14, 1693-1696.

244. Zarei, M., Mohammadi, S., Komaki, A., Antinociceptive Activity of Inula britannica L. and Patuletin: In vivo and Possible Mechanisms Studies, Journal of Ethnopharmacology, 219, 351-358, **2018**.

245. Wang, T., Guo, S., Zhang, S., Yue, W., Ho, C.-T., Bai, N., Identification and quantification of seven sesquiterpene lactones in: Inula britannica by HPLC-DAD-MS, Analytical Methods, 11 (13), 1822-1833, **2019**.

246. Mitić, V.D., Ilić, M.D., Stankov Jovanović, V.P., Djordjevic, A.S., Marković, M.S., Stojanović, G.S. Volatiles composition and antioxidant activity Inula oculus-christi L. from Serbia, Natural Product Research, Article in Press, **2019.**

Публ. № 68: Farid M. M. , Hussein S. R., **Trendafilova A.**, Marzouk M. M., El Oqlah A. A., Saker M. M., Phytochemical constituents of the butanol fraction of *Arum palaestinum* Boiss.: cytotoxic and antiviral screening, Journal of Materials and Environmental Science, 8, 2585-2591, 2017

247. Abdelshafeek, K., Abdelkareem, M., Saad, F.A., GC/MS analysis of the volatile constituents from Arum cyreniacum flowers, Eurasian Journal of Analytical Chemistry, 13 (4), art. no. em37, **2018**

Публ. № 69: Trendafilova A., Ivanova V., Todorova M., Aneva I., New sesquiterpene lactones from Inula oculus-christi L., Phytochemistry Letters, 221-225, 2017

248. Michalakea, E., Graikou, K., Aligiannis, N., Panoutsopoulos, G., Kalpoutzakis, E., Roussakis, C., Chinou, I., Isolation and structure elucidation of secondary metabolites of two Greek endemic Inula species. Biological activities, Phytochemistry Letters, 31, 155-160, **2019**.

249. Wang, T., Guo, S., Zhang, S., Yue, W., Ho, C.-T., Bai, N., Identification and quantification of seven sesquiterpene lactones in Inula britannica by HPLC-DAD-MS, Analytical Methods, 11 (13), 1822-1833, **2019**.

Публ. № 72: Danova, K., Motyka, V., Todorova, M., **Trendafilova, A.**, Krumova, S., Dobrev, P., Andreeva, T., Oreshkova, T., Taneva, S., Evstatieva, L., Effect of Cytokinin and Auxin Treatments on Morphogenesis, Terpenoid Biosynthesis, Photosystem Structural Organization, and Endogenous Isoprenoid Cytokinin Profile in Artemisia alba Turra In Vitro, Journal of Plant Growth Regulation, 37(2), pp. 403-418, 2018.

250. Shibli, R.A., Sharaf, S.A., Kasrawi, M.A., Al-Qudah, T.S., In vitro multiplication of the white wormwood, Artemisia herba-alba asso, Jordan Journal of Biological Sciences, 11 (3), pp. 265-271, **2018**.