

## СПИСЪК НА НАУЧНИТЕ ТРУДОВЕ

На доц. д-р Василка Младенова, с които участва в конкурс за професор по 4.4. Науки за земята (Минералогия и кристалография)

### НАУЧНИ ПУБЛИКАЦИИ

26 броя – от номер 18 до номер 43 от целия списък на научните публикации

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3. (20) **Младенова, В.**, Т. Керестеджиян, Д. Димитрова. 2003. Златото в златорудните находища Говежда и Свищи плаз, Старопланинска зона. – *IV Национален симпозиум "Металогения на България, 7-9 май 2003, София, Резюме*, 122-125.
4. (21) **Mladenova, V.**, T. Kerestedjian, D. Dimitrova. 2003. The Govezhda gold deposit, Western Balkan Mountains, Bulgaria. - *Geochem. Mineral. and Petrol.*, 40, 109-121.
5. (22) **Mladenova, V.**, Z. Zlatev. 2004. Geochemical characteristics of Goliam Bukovetz mine tailings impoundment, Chiprovtsi mining area, NW Bulgaria. – *Rev. Bulg. Geol. Soc.*, 65, 1-3, 141-150.
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11. (28) Dimitrova D., Cholakova Z., Velitchkova N., Kotsev Ts., **Mladenova V.**, Kerestedjian T., Antonov D. 2007. Heavy metal and metalloid concentration dynamics in

- mine and surface waters in the vicinity of Chiprovtsi and Martinovo mines, Northwestern Bulgaria. - *Bull. Geol. Soc. Greece*, v. 40, Proceedings of the 11<sup>th</sup> International Congress, Athens, May 2007, 1397-1408.
12. (29) Ivanova, I., **V. Mladenova**, T. Kotsev. 2008. Assessment of arsenic and heavy metals concentration in Ogosta dam lake water (Montana region, NW Bulgaria) based on water quality guidelines. - *Scientific session „60 years Geology”*, Sofia University “St. Kl. Ohridski”, Sofia, 17 Jan. 2008, 45-50.
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  15. (32) **Mladenova V.**, Kotsev T., Cholakova Z., Schmitt R.-T., Ivanova I., Dimitrova D. 2010. Pollution with arsenic and heavy metals of soils and some components of the food chain in the environment of Goliam Bukovets mine tailings impoundment, Chiprovtsi mining area, NW Bulgaria. - *Proceedings of CBGA 2010*, Thessaloniki, Greece, 23-26 Sept., 105-111.
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  18. (35) Dimitrova D. A., T.H. Iliev, **V. G. Mladenova**. 2013. Morphology and compositional features of pyrite in the Martinovo and Chiprovtsi deposits, northwestern Bulgaria. - *12th Biennial SGA Meeting*, 12–15 august 2013, Uppsala, Sweden, Mineral deposit research for a high-tech world, Proceedings, V. 1, 184-187.
  19. (36) Събева Р. **В. Младенова**. 2015. Минерален състав на епитермално златно находище Милин Камък, Западно Средногорие. - *Год. СУ, Геол.-геогр. фак.*, 104, 1 - Геология, 65-88.

20. (37) Видинли, Б., **В. Младенова**. 2015. Геология, минералогия и генезис на рудопроявление Писани скали, Западни Родопи. - *Год. СУ, Геол.-геогр. фак.*, 104, 1 - Геология, 89-112.
21. (38) Kotsev T., **V. Mladenova**, Z. Cholakova, D. Dimitrova. 2015. Arsenic and heavy metal vertical distribution in soil of the Ogosta River Low floodplain, NW Bulgaria. – *Sustainable Mountain Regions: Make them work international. Scientific conference proceedings*, 14-16 May 2015, Borovets, Bulgaria, 78-83.
22. (39) Senila M., T. Kotsev, E. Levei, M. Roman, **V. Mladenova**, Z. Cholakova, L. Senila. 2016. Preliminary investigation on arsenic fractionation in soil from Ogosta river floodplain using a seven step extraction procedure. - *Studia UBB Chemia*, LXI, 3, Tom II, 333-344.
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25. (42) Sabeva, R., **V. Mladenova**, A. Mogessi. 2017. Ore petrology, hydrothermal alteration, fluid inclusions, and sulfur stable isotopes of the Milin Kamak intermediate sulfidation epithermal Au-Ag deposit in Western Srednogorie, Bulgaria. - *Ore Geology review*, 88, 400-415.
26. (43) **Mladenova, V.**, R. Apostolova, Z. Ivanov. 2017. Epithermal intermediate-sulfidation veins in the low-grade metamorphic host rocks of the Vezhen pluton in the upper levels of the open pit of porphyry copper Elatsite depoist, Sredna gora, Bulgaria. - *Rev. Bulg. Geol. Soc.*, 78, 2-3 (приета за печат).

## **СПИСЪК НА ДОКЛАДИ ЗА УЧАСТИЕ В СИМПОЗИУМИ, КОНФЕРЕНЦИИ, КОНГРЕСИ**

### *I. Доклади за участие в национални симпозиуми, конференции и конгреси*

- 17 броя – от номер 10 до номер 26 от целия списък на докладите от национални научни прояви
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29. (12) **Mladenova, V.**, R.-T. Schmitt, P. Czaja, F. Damaschun. 2004. Orpichte from Madzharovo deposit, Eastern Rhodopes, Bulgaria – a new look. – Научна сесия “Минерогенезис-2004”, София, 22-23 януари, Резюме, 78-79.
30. (13) **Mladenova V.**, D. Dimitrova, R.-T. Schmitt. 2007. Efflorescent minerals formed during intensive weathering of phyllites, Chiprovtsi ore district, northwestern Bulgaria. Proceedings of National Conference “Geosciences 2007”, 13-14 Dec. 2007, Sofia, Abstracts, 63-64.
31. (14) Видинли, Б., **В. Младенова**, Д. Димитров. 2007. Геология и минералогия на златно-сребърното находище Сребрен, Западни Родопи. Proceedings of National Conference “Geosciences 2007”, 13-14 Dec. 2007, Sofia, Abstracts, 107-108.
32. (15) **Mladenova, V.**, T. Kotsev, I. Ivanova, Z. Cholakova, D. Dimitrova, R.-T. Schmitt. 2008. Mineralogy of the heavy metal and metalloid pollution of the Ogosta river floodplains, NW Bulgaria. Proceedings of National Conference “Geosciences 2008”, 10-11 Dec. 2008, Sofia, Abstracts, 121-122.
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34. (17) **Mladenova, V.**, T. Kotsev, Z. Cholakova. 2010. Chemical composition and heavy metal partition in mining-affected surface waters and stream sediments in Chiprovtsi area, NW Bulgaria, Proceedings of National Conference “Geosciences 2010”, 9-10 Dec. 2010, Sofia, Abstracts, 139-140.
35. (18) Dimitrova, D., **V. Mladenova**, R. Vassilkyova. 2011. LA-ICP-MS study of fluorite from the Lukina Padina deposit, NW Bulgaria, Proceedings of National Conference “Geosciences 2011”, 8-9 Dec. 2011, Sofia, Abstracts, 15-16.
36. (19) Ivanova, I., **V. Mladenova**, T. Kotsev, T. Iliev. 2011. Mineralogy of the heavy metal and metalloid pollution of the sediments from the basin of Chiprovtska Ogosta river

- and Ogosta dam lake, NW Bulgaria. Proceedings of National Conference “Geosciences 2011”, 8-9 Dec. 2011, Sofia, Abstracts, 21-22.
37. (20) Sabeva, R., **V. Mladenova**, M. Krumova. 2011. Mineralogy of Milin Kamak gold deposit – Breznik, Western Srednogorie, Proceedings of National Conference “Geosciences 2011”, 8-9 Dec. 2011, Sofia, Abstracts, 29-30.
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  41. (24) Sofianska, E., K. Michailidis, **V. Mladenova**, A. Filippidis. 2013. Multivariate statistical and GIS-based approach to identify heavy metal sources in soils of the Drama plain, Northern Greece. Proceedings of National Conference “Geosciences 2013”, 12-13 Dec. 2013, Sofia, Abstracts, 131-132.
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## ***II. Доклади за участие в международни симпозиуми, конференции и конгреси***

13 броя – от номер 11 до номер 24 от целия списък на международните научни прояви

44. (11) **Mladenova V.**, Kerestedjian T. and Dimitrova D. 2004. The Balkan Mountains Paleozoic Gold Deposits. - 10<sup>th</sup> G. S. G. Congress, 15-17 April 2004, Thessaloniki, Greece, Abstracts, 513-514.
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48. (16) Dimitrova, D.A., **V.G. Mladenova** and L. Hecht. 2008. Hydrous sulphates formed during oxidation of colloform pyrite from Chiprovtsi Ag-Pb deposit, NW Bulgaria. Goldschmidt conference “From Sea to Sky”, July 13 – 18, Vancouver, Canada, Abstracts, A217.
49. (17) Dimitrova, D., **V. Mladenova**, L. Hecht, T. Kerestedjian, P. Machev, Ts. Iliev. 2008. Accessory Fe-Ti oxides in the Pilatovets gabbro from the Island-Arc volcanosedimentary sequence unconformably overlaying the Balkan-Carpathian ophiolite. – 33th IGC, Oslo, 6-14 Aug. 2008, Abstracts.
50. (18) Racheva, D., T. Kotsev, V. Mladenova, Z. Cholakova, I. Ivanova. 2008. Heavy metals and metalloids in the alluvial soils from flood plain of Ogosta River, North-West Bulgarian. 3<sup>rd</sup> SoilCritZoneWorkshop Chania, Poster Abstracts, Crete, 5-9 Sept 2008, 9-10.
51. (19) Dimitrova, D., V. Mladenova. 2009. Minor and trace elements in some ore minerals from the Chiprovtsi ore district, northwestern Bulgaria, *Mitt. Österr. Miner. Ges.* **155**.
52. (20) **Mladenova, V.**, U. Kolitsch, T. Kenkman, L. Hecht, R.-T. Schmitt. 2009. Is orpheite a valid mineral species? 5-th international symposium “Mineral diversity – research and preservation”, Sofia, 9-12 Oct. 2009, Abstracts, p.39.
53. (21) **Mladenova, V.**, U. Kolitsch, T. Kenkman, L. Hecht, R.-T. Schmitt. 2010. Reinvestigation of the type material of orpheite: is it a valid mineral species? 20<sup>th</sup> general meeting of the IMA, 21-27 August 2010, Budapest, Hungary, *Acta Mineralogica-Petrographica*, Abstract series, v. 6, p. 498.
54. (22) Dimitrova, D.A., **Mladenova, V.G.** & Hecht, L. 2010. Crystallization and transformation of iron sulphates on polished and fractured colloform pyrite surfaces. 20<sup>th</sup> general meeting of the IMA, 21-27 August 2010, Budapest, Hungary, *Acta Mineralogica-Petrographica*, Abstract series, v. 6, p. 835.
55. (23) **Mladenova V.**, Kotsev T., Cholakova Z., Schmitt R.-T., Ivanova I., Dimitrova D. 2010. Pollution with arsenic and heavy metals of soils and some components of the food chain in the environment of Goliam Bukovets mine tailings impoundment, Chiprovtsi mining area, NW Bulgaria. Abstracts volume of CBGA 2010, Thessaloniki, Greece, 23-26 Sept., 260.
56. (24) Kotsev K., Cholakova Z., **Mladenova V.** and Dimitrova D. 2010. Efficiency of the Chiprovtsi mining site remediation with regard to heavy metal and arsenic environmental pollution. Proceedings of CBGA 2010, Thessaloniki, Greece, 23-26 Sept., *Geol. Balc.* **39**, 1-2, 206-207.

## НАУЧНО-ПОПУЛЯРНИ ПУБЛИКАЦИИ

5 броя – от номер 2 до номер 6 от списъка на научно-популярните публикации

57. (2) Костов, Р., В. Младенова. 2006. 140 години от рождението на академик професор Георги Бончев. *Геология и минерални ресурси*, 7-8, с. 2.
58. (3) Младенова, В. Р. Костов. 2006. Академик професор д-р Георги Бончев – 140 години от рождението на основателя на българската минералогия и петрография. - *Спис. Бълг. Геол. д-во*, 67, 1-3, 157-158.
59. (4) Младенова, В. 2010. 20-ти конгрес на Международната Минералогическа Асоциация, 21–27 август 2010 г., Будапеща, Унгария. - *Спис. Бълг. Геол. д-во*, 71, 1-3, с. 176.
60. (5) Костов, Р., В. Младенова. 2015. Българското минералогическо дружество чества своя 25-годишен юбилей. - *Геология и минерални ресурси*, 10, 36-38.
61. (6) Младенова, В. 2015. Българското минералогическо дружество навърши 25 години. - *Спис. Бълг. Геол. д-во*, 76, 2-3, 152-153.

## ИЗГОТВЯНЕ НА БАЗА ДАННИ В РАМКИТЕ НА МЕЖДУНАРОДЕН ПРОЕКТ

1. Daniel Cassard, Guillaume Bertrand, Mario Billa, Jean-Jacques Serrano, Bruno Tourlière, Jean-Michel Angel and Gabor Gaál. 2015. ProMine Mineral Databases: New Tools to Assess Primary and Secondary Mineral Resources in Europe. In: 3D, 4D and Predictive Modelling of Major Mineral Belts in Europe, под редакцията на Pär Weihed, Springer, 9-58.

### *Nano-particle products from new mineral resources in Europe- ProMine*

Финансиране: FP7-NMP-2008-LARGE-2. Проектът е по 7-ма рамкова програма и частично е финансиран от Европейския съюз.

Extract from the Bulgarian mineral deposit and anthropogenic concentration databases put at disposal in a compatible format with ProMine databases (Извадка от база данни за наличните Български Минерални Находища и Антропогенни концентрации във вид съвместим с базите-данни на проект Промайн). 2 база-данни

1. Mineral Deposit and Mining district in Bulgaria

2. Anthropogenic Concentrations in Bulgaria

62. Daniel Cassard, Guillaume Bertrand, Mario Billa, Jean-Jacques Serrano, Bruno Tourlière, Jean-Michel Angel and Gabor Gaál. 2015. ProMine Mineral Databases: New Tools to Assess Primary and Secondary Mineral Resources in Europe. In: 3D, 4D and Predictive Modelling of Major Mineral Belts in Europe, под редакцията на Pär Weihed, Springer, 9-58.

(на страница 52 са посочени сътрудниците от всички страни, които са направили база-данните за своите находища и депа с отпадни продукти от минната дейност)