

ЕВРОПЕЙСКИ ФОРМАТ НА АВТОБИОГРАФИЯ



ЛИЧНА ИНФОРМАЦИЯ

Име
Адрес
Телефон
Факс
E-mail

ДАНИЕЛА ВАСИЛЕВА ЙОРДАНОВА
ул. "БЕЛИКАТА" № 2, 1137 ПАНЧАРЕВО СОФИЯ, БЪЛГАРИЯ
02 992 3416

neli_jordanova@hotmail.com; vanedi@geophys.bas.bg

Националност
Дата на раждане

българска
14.05.1969г

ТРУДОВ СТАЖ

- Дати (от-до)
- Име и адрес на работодателя
- Вид на дейността или сферата на работа
- Заемана длъжност
- Основни дейности и отговорности

18.10.2005 – ДОСЕГА
НИГГГ - БАН
наука
доцент
Научни изследвания

- Дати (от-до)
- Име и адрес на работодателя
- Вид на дейността или сферата на работа
- Заемана длъжност
- Основни дейности и отговорности

01.09.1999 – 18.10.2005г
ГФИ – БАН, ул. "Акад. Г. Бончев" бл.3, 1113 София
наука
Н.с. I ст.
Научно – изследователска дейност

- Дати (от-до)
- Име и адрес на работодателя
- Вид на дейността или сферата на работа
- Заемана длъжност
- Основни дейности и отговорности

01.01.1997 – 01.09.1999г
ГФИ – БАН, ул. "Акад. Г. Бончев" бл.3, 1113 София
наука
Н.с. III ст.
Научно – изследователска дейност

ОБРАЗОВАНИЕ И ОБУЧЕНИЕ

- Дати (от-до)
- Име и вид на обучаващата или образователната организация
- Основни предмети/застъпени професионални умения

2014 – 2015г
НИГГГ-БАН
Геофизика

- Наименование на придобитата квалификация
- Ниво по националната класификация (ако е приложимо)

Доктор на науките по „Земен магнетизъм и гравиметрия“

Доктор на науките

- Дати (от-до)

1993 – 1996г

- Име и вид на обучаващата или образователната организация

Физически ф-т към Софийски Университет “Св. Кл. Охридски”

- Основни предмети/застъпени професионални умения

Геофизика

- Наименование на придобитата квалификация

Редовен аспирант

- Ниво по националната класификация (ако е приложимо)

доктор

- Дати (от-до)

1987 – 1992г

- Име и вид на обучаващата или образователната организация

Физически ф-т към Софийски Университет “Св. Кл. Охридски”

- Основни предмети/застъпени професионални умения

Физика, Математика, Геофизика

- Наименование на придобитата квалификация

Студент - придобита квалификация: Физик със специализация Геофизика

- Ниво по националната класификация (ако е приложимо)

магистър

Лични умения и компетенции

Придобити в жизнения път или в професията, но не непременно удостоверени с официален документ или диплома.

МАЙЧИН ЕЗИК

български

ДРУГИ ЕЗИЦИ

Английски

- Четене

отлично

- Писане

отлично

- Разговор

отлично

Руски

- ЧЕТЕНЕ

ДОБРО

- ПИСАНЕ

ДОБРО

- РАЗГОВОР

ДОБРО

ЧЕШКИ

- Четене

ДОБРО

- Писане

ЗАДОВОЛИТЕЛНО

- Разговор

ДОБРО

**СОЦИАЛНИ УМЕНИЯ И
КОМПЕТЕНЦИИ**

Ръководство на дипломни работи на студенти-магистри: 1
Ръководство на докторанти : ръководител на 1 редовен докторант (А. Мокрева), научен консултант на 1 докторант на свободна подготовка (ас. П. Петров, в процес на защита на докторска работа),

**ОРГАНИЗАЦИОННИ УМЕНИЯ И
КОМПЕТЕНЦИИ**

Ръководство на национални и международни научно изследователски проекти - ГФИ – БАН (виж приложение 2)

07/07/2006 – 01/04/2009 научен секретар на ГФИ-БАН

01/01/2007 – 01/04/2009 член на Общото събрание на БАН

01/09/2010 – 01/10/2014 член на Научния Съвет на НИГГГ

01/04/2008 – досега Ръководител на Палеомагнитна Лаборатория, НИГГГ

01/09/2010 – досега Ръководител на секция „Земен магнетизъм”

01/07/2011 – 1/7/2015 Co-chair of IAGA (International Association of Geomagnetism and Aeronomy) WG1.4. „Environmental and Rock magnetism”

01/07/2015 – досега 2015 Chair of IAGA (International Association of Geomagnetism and Aeronomy) WG1.3. „Environmental and Rock magnetism”

Организиране на сесии на научни конференции:

18/07/2005 – 29/07/2005 Lead Convener of session GAI09, IAGA meeting, Toulouse/ France

23/08/2009 – 30/08/2009 Lead Convener of session I 19, IAGA meeting, Sopron/Hungary

02/07/2012 – 06/07/2012 Lead Convener of session S02.05, EuroSoil 2012 meeting, Bari/Italy

22/06/2014-02/07/2014 Lead Convener of symposium A09, IUGG 2015 General Assembly, Prague, Czech Republic

**ТЕХНИЧЕСКИ УМЕНИЯ И
КОМПЕТЕНЦИИ**

*Работа с компютри, със специфично
оборудване, машини и др.*

Работа с геофизична апаратура

Софтуер: Microsoft Office, Grapher, Surfer, Corel draw

ДРУГИ УМЕНИЯ И КОМПЕТЕНЦИИ

*Компетенции, които не са споменати
по-горе.*

- Награда «Марин Дринов» за най-добър млад учен до 35 год. в областта на Науки за Земята, конкурс 2003 г.

**СВИДЕТЕЛСТВО ЗА УПРАВЛЕНИЕ
НА МПС**

да

ДОПЪЛНИТЕЛНА ИНФОРМАЦИЯ

ОБЛАСТИ НА ПРОФЕСИОНАЛЕН ИНТЕРЕС: МАГНЕТИЗЪМ НА ОКОЛНАТА СРЕДА, ПАЛЕОМАГНЕТИЗЪМ, АРХЕОМАГНЕТИЗЪМ, МАГНИТНА МИНЕРАЛОГИЯ; КЛИМАТИЧНИ ПРОМЕНИ В МИНАЛОТО; ЗЕМЕН МАГНЕТИЗЪМ

РЕЦЕНЗЕНТ НА НАУЧНИ ПУБЛИКАЦИИ ЗА МЕЖДУНАРОДНИ СПИСАНИЯ: GEOPHYSICAL JOURNAL INTERNATIONAL; SCIENCE OF THE TOTAL ENVIRONMENT; ENVIRONMENTAL POLLUTION; TECTONOPHYSICS; APPLIED GEOPHYSICS; ENVIRONMENTAL EARTH SCIENCES; GEODERMA, CATENA и др.

ПРИЛОЖЕНИЯ

ПРИЛОЖЕНИЕ 1 – СПИСЪК НА ПУБЛИКАЦИИТЕ

ПРИЛОЖЕНИЕ 2 – УЧАСТИЕ И РЪКОВОДСТВО НА НАУЧНО ИЗСЛЕДОВАТЕЛСКИ ПРОЕКТИ .

ПРИЛОЖЕНИЕ 3 – ДОКЛАДИ НА МЕЖДУНАРОДНИ НАУЧНИ КОНФЕРЕНЦИИ

ПРИЛОЖЕНИЕ 1

СПИСЪК НА ПУБЛИКАЦИИТЕ

на

доц. дфн Даниела Василева Йорданова

Author **h-index** (SCOPUS August 2015): 19

Общ брой цитати (без самоцитати) (SCOPUS August 2015): 942

IF – Impact Factor (Thomson Reuters JCR 2014)

*** авторът публикува под името Neli Jordanova (N. Jordanova)**

- 1) Ковачева, М., Йорданова, Н., Попов, В., Бояджиев, Я., Гигов, В., 1995. Археоманитно изследване на енеолитна могила в гр. Русе. Българско Геофизично Списание, т. XXI, No4, 73-86.
- 2) Kovacheva, M., Pares, J., Jordanova, N., Karloukovski, V., 1995. A new contribution to the archaeomagnetic study of a Roman pottery kiln from Calahorra (Spain). Geophys. J. Intern., 123, 931-936. **IF=2.56**
- 3) Jordanova, N., Karloukovski, V., Spatharas, V., 1995. Magnetic anisotropy studies on Greek pottery and bricks. Българско Геофизично Списание, т. XXI, No4, 49-58.
- 4) Jordanova, N., Jordanova, D., Karloukovski, V., 1996. Magnetic fabric of Bulgarian loess sediments derived by using various sampling techniques. Studia Geoph. Et geod., 40, 36-49. **IF=0.806**
- 5) Jordanova, D., Petrovsky, E., Jordanova, N., Evlogiev, J., Butchvarova V., 1997. Rock magnetic properties of recent soils from North Eastern Bulgaria. Geophys.J.Int., 128, 477-484. **IF=2.56**
- 6) Jordanova, N., Petrovsky, E., Kovacheva, M., 1997. Preliminary rock magnetic study of archaeological samples from Bulgarian sites of BC time. J.Geomagn.Geolectr. 49, 543-566.
- 7) Kapicka, A., Petrovsky, E., Jordanova, N., 1997. Comparison of in situ field measurements of soil magnetic susceptibility with laboratory data. Studia Geoph. Geod., 41, 391-395. **IF=0.806**
- 8) Jordanova, N., Kovacheva, M., 1998. Dating the fire in Kamenska Chuka by the archaeomagnetic method. In: "In the steps of James Harvey Gaul" Vol. 1, eds. M. Stefanovich, H. Todorova, H. Hauptmann. The James Harvey Gaul Foundation, Sofia, 1998. ISBN 954-491-026-3; 339-347.
- 9) Kovacheva, M., Jordanova, N., Karloukovski, V., 1998. Geomagnetic field variations as determined from Bulgarian archaeomagnetic data. Surveys in Geophysics, 19, 431-460. **IF=3.447**
- 10) Jordanova, D. and Jordanova, N., 1999. Magnetic characteristics of different soil types from Bulgaria. Studia Geoph. et geod., 43, 303-318. **IF=0.806**
- 11) Kapicka, A., Jordanova, N., Petrovsky, E., Ustjak, S., 2000. Magnetic stability of power-plant fly ashes in different soil solutions. Phys. Chem. Earth (A), 25, 431-436. **IF=1.765**
- 12) Petrovsky, E., Kapicka, A., Jordanova, N., Knab, M., Hoffmann, V., 2000. Low-field magnetic susceptibility: a proxy method of estimating increased pollution of different environmental systems. Environmental Geology, 39 (3-4), 312-318. **IF=1.765**
- 13) Zhu, R., Kazansky, A., Matasova, G, Guo, B., Zykina, V., Petrovsky, E., Jordanova, N., 2000. Rock-magnetic investigation of Siberia loess and its implication. Chinese Science Bull., 45, No 23, 2192-2197.
- 14) Jordanova N, Petrovsky E, Kovacheva M., Jordanova, D., 2001. Factors determining magnetic enhancement of burnt clay from archaeological sites. J.Archaeol.Sci., 28 (11), 1137-1148. **IF=2.196**
- 15) Kovacheva, M. and Jordanova, N., 2001. Bulgarian archaeomagnetic studies: a review of methodological progress and applications in archaeology. Proceed. of Workshop "Archaeometry in archaeology: new trends", Rhodes, 3-6.11.1999. In: J. of Radioanal.Nuclear Chem., (guest ed. I. Liritzis), Vol. 247, No 3, 685-696. **IF=1.034**

- 16) Matasova, G., Petrovsky E., *Jordanova, N.*, Zykina V., Kapicka A., 2001. Magnetic study of Late Pleistocene loess/palaeosol sections from Siberia: palaeoenvironmental implications. *Geophys. J. Int.* 147, 367-380. **IF=2.56**
- 17) *Jordanova, N.*, Jordanova, D., Petrovsky, E., Kovacheva, M., 2001. Changes in magnetic properties of archaeological samples of burnt clay. Implications for palaeointensity determination. *Studia Geophys. Geodaet.*, 45, 297-318 **IF=0.806**
- 18) Kapicka A., *Jordanova, N.*, Petrovsky, E., Ustjak, S., 2001. Effect of different soil conditions on magnetic parameters of power-plant fly ashes. *Journal of Applied Geophysics*, 48, 93-102 **IF=1.5**
- 19) Petrovsky, E., Kapicka A., *Jordanova N.*, Boruvka, L., 2001. Magnetic properties of alluvial soils contaminated with lead, zinc and cadmium. *J. Appl. Geophys.* 48, 127-136. **IF=1.5**
- 20) Kapicka, A., Petrovsky, E., *Jordanova, N.*, Podrazsky, V., 2001. Magnetic parameters of forest top soils in Krkonose Mountains, Czech Republic. *Phys. Chem. Earth (A)*, 26, 917-922. **IF=1.477**
- 21) Grygar, T., Bezduka P., Vorm, P., *Jordanova, N.*, Krtil, P. 2001. Spinel Solid Solutions in Li-Fe-Mn-O System, *J. Solid State Chem.* 161, 152-160. **IF=2.133**
- 22) *Jordanova, N.*, Henry, B., Jordanova, D., Ivanov, Z., Dimov, D., Bergerat, F., 2001. Paleo magnetism in Northwestern Bulgaria: geological implications of widespread remagnetization. *Tectonophysics*, 343, 1-2, 79-92. **IF=2.872**
- 23) Kostadinova, M., *Jordanova, N.*, Kovacheva, M., Gigov, V., 2001. Rock-magnetic properties of baked clay from Early Bronze Age site Dubene-Sarovka (Karlovo district). *Bulgarian Geophysical Journal*, v. 27., 1-4, 72-84.
- 24) Kovacheva, M., *Jordanova, N.*, Kostadinova, M., Karloukovski, V., Gigov, V., Gergova, D., Genov, D., 2002. Summary results of the archaeomagnetic studies of the Bronze age tell Djadovo, district of Sliven, South Bulgaria. *Archaeologia Bulgarica*, VI, No1, 1-17.
- 25) Wehland, F., Panaiotu, C., Appel, E., Hoffmann, V., Jordanova, D., *Jordanova, N.*, Denut, I. , 2002. The dam breakage of Baia Mare – a pilot study of magnetic screening. *Phys. Chem. Earth.*, 27, 1371-1376. **IF=1.477**
- 26) Schibler, L., Boyko, T., Ferdyn, M., Gajda, B., Holl, S., *Jordanova, N.*, Roesler, W. and MAGPROX team, 2001. Topsoil magnetic susceptibility mapping: data reproducibility and compatibility, measurement strategy. *Stud. Geophys. Geod.*, 46, 43-57. **IF=0.806**
- 27) *Jordanova, N.*, Kovacheva, M., Hedley, I., Kostadinova, M., 2003. On the suitability of baked clay for archaeomagnetic studies as deduced from detailed rock-magnetic studies. *Geophysical Journal International*, 153, 146-158. **IF=2.56**
- 28) *Jordanova, N.*, Jordanova, D., Veneva, L., Yorova, K., Petrovsky, E., 2003. Magnetic response of soils and vegetation to heavy metal pollution – a case study. *Environmental Science and Technology*, 37, 4417-4424. **IF=5.33**
- 29) Henry, B., Jordanova, D., *Jordanova, N.*, Souque, Ch., Robion, P., 2003. Anisotropy of magnetic susceptibility of heated rocks. *Tectonophysics*, 366, 241-258. **IF=2.872**
- 30) Kapicka, A., *Jordanova, N.*, Petrovsky, E., Podrazsky, V., 2003. Magnetic study of weakly contaminated forest soils. *Water, Air and Soil Pollution*, 148, 31-44. **IF=1.554**
- 31) *Jordanova, N.*, Georgiev, N., 2003. Anisotropy of magnetic susceptibility as a tool in structural geology – a case study from southwestern parts of Central Sredna Gora, Bulgaria. *Review of the Bulgarian Geological Society*, vol. 64, part 1-3, 69-84.
- 32) Veneva, L., Hoffmann, V., Jordanova, D., *Jordanova, N.*, Fehr, Th., 2004. Rockmagnetic, mineralogical and microstructural characterization of fly ashes from Bulgarian power plants and the nearby anthropogenic soils. *Phys. Chem. Earth*, 29, 1011-1023. **IF=1.477**
- 33) *Jordanova, N.*, Kovacheva, M., Kostadinova, M., 2004. Archaeomagnetic investigation and dating of Neolithic archaeological site (Kovachevo) from Bulgaria. *Phys. Earth Planet. Inter.*, 147, 2-3, 89 – 102. **IF=2.895**
- 34) Kovacheva, M., Hedley I., *Jordanova N.*, Kostadinova M., Gigov V., 2004. Archaeomagnetic dating of archaeological sites from Switzerland and Bulgaria. *J. Archaeol. Science*, 31, 1463-1479. **IF=2.196**
- 35) Henry, B., Jordanova, D., *Jordanova, N.*, Le Goff, M., 2005. Transformations of magnetic mineralogy in rocks revealed by difference of hysteresis loops measured after stepwise heating: Theory and case studies. *Geophys. J. Int.*, 162, 64-78. **IF=2.56**

- 36) Jordanova, D., *Jordanova, N.*, Hoffmann, V., 2006. Magnetic mineralogy and grain-size dependence of hysteresis parameters of single spherules from industrial waste products. *Phys. Earth Planet. Inter.*, 154, 255-265. **IF=2.895**
- 37) Knab, M., Hoffmann, V., Petrovsky, E., Kapicka, A., *Jordanova, N.*, Appel, E., 2006. Surveying the anthropogenic impact of the Moldau river sediments and nearby soils using magnetic susceptibility. *Environmental Geology*, 49, 527-535 **IF=1.765**
- 38) *Jordanova, N.*, Jordanova, D., Henry, B., LeGoff, M., Dimov, D., Tsacheva, Ts., 2006. Magnetism of cigarette ashes. *J. Magn. Magn. Mater.*, 301, 50-66. **IF=1.97**
- 39) Jordanova, D., *Jordanova, N.*, Henry, B., Hus, J., Bascou, J., Funaki, M., Dimov, D., 2007. Changes in mean magnetic susceptibility and its anisotropy of rock samples as a result of alternating field demagnetization. *Earth and Planetary Science Letters*, 255, 390-401. **IF=4.734**
- 40) Henry, B., Jordanova, D., *Jordanova, N.*, Hus, J., Bacou, J., Funaki, M., Dimov, D., 2007. Alternating field-impressed AMS in rocks. *Geophys. J. Int.*, 168, 533-540. **IF=2.56**
- 41) Jordanova D., *Jordanova N.*, 2007. Application of magnetic methods for estimation of the degree of soil pollution in the area of Varna-Devnja industrial zone. 7th International Scientific Conference SGEM2007 "Modern Management of Mine Producing, Geology and Environmental Protection" 11-15 June 2007, Albena, Bulgaria. Conference collection of papers on CD, Code 101475
- 42) Henry, B., Jordanova, D., *Jordanova, N.*, Derder, M., Bayou, B., Amenna, M., Dimov, D., 2007. Composite magnetic fabric deciphered using heating treatment. *Stud.Geophys.Geod.* 51, 293-314. **IF=0.806**
- 43) *Jordanova, N.*, Jordanova D., Tsacheva Ts., 2008. Application of magnetometry for delineation of anthropogenic pollution in areas covered by various soil types. *Geoderma*, 144(3-4),557-571. **IF=2.772**
- 44) Kovacheva, M., Boyadziev, Y., Kostadinova-Avramova, M., *Jordanova, N.* and Donadini, F. Updated archaeomagnetic data set of the past 8 millennia from the Sofia laboratory, Bulgaria, *Geochem. Geophys. Geosyst.*, 2009, 10, Q05002, doi:10.1029/2008GC002347. **IF=2.923**
- 45) Kovacheva, M., Chauvin, A., *Jordanova, N.*, Lanos, P., Karloukovski, V., 2009. Remanence anisotropy effect on the palaeointensity results obtained from various archaeological materials, excluding pottery. *Earth, Planets & Space*, 61, 6, 711-732. **IF=1.328**
- 46) Georgiev, N., Henry, B., *Jordanova, N.*, Froitzheim, N., Jordanova, D., Ivanov, Z., Dimov, D. 2009. The emplacement mode of upper Cretaceous plutons from the southwestern part of the Sredna Gora Zone (Bulgaria): Structural and AMS study. *Geol.Carpathica*, 60,1, 15-33. **IF=0.761**
- 47) Fraenzle, S., Hoffmann, V., Panaiotu, C. Jordanova, D., *Jordanova, N.*, Djingova, R., Wuenschmann, S., Markert, B., 2009. Formation and determination of magnetite particles in biological samples for biomonitoring inputs of Fe and other heavy metals. *Agrochimica*, 53, Issue 6, 405-417. **IF=0.208**
- 48) Jordanova D., *Jordanova N.*, Petrov P., Tsacheva, T., 2010. Soil development of three Chernozem-like profiles from North Bulgaria revealed by magnetic studies. *Catena*, 83, 158-169. **IF=2.82**
- 49) Jordanova, D., Petrov, P., Hoffmann, V., Gocht, T., Panaiotu, C., Tsacheva, T., *Jordanova, N.*, 2010. Magnetic Signature of Different Vegetation Species in Polluted Environment. *Studia Geophysicae et Geodaetica*, 54, 3, 417-442. **IF=0.806**
- 50) *Jordanova N.*, Jordanova D., 2010. Magnetic methods for delineation of heavy metal pollution in Burgas region. 10th International Multidisciplinary Scientific GeoConference SGEM 2010. Conference Proceedings, vol.1, 783 – 790 (2010). ISBN-10: 954-91818-1-2; ISBN-13: 978-954-91818-14
- 51) Sirakov N., Guadelli J.-L., Ivanova S., Sirakova S., Boudadi-Maligne M., Dimitrova I., Fernandez Ph, Ferrier C., Guadelli A., *Jordanova D.*, *Jordanova N.*, Kovatcheva M., Krumov I., Leblanc J.-Cl., Miteva V., Popov V., Spasov R., Taneva S., Tsanova T.. 2010. An ancient continuous human presence in the Balkans and the beginnings of human settlement in western Eurasia: A Lower Pleistocene example of the Lower Palaeolithic levels in Kozarnika cave (North-western Bulgaria). *Quaternary International* 223-224; 94 -106. **IF 2.062**

- 52) Henry, B., Naydenov, K., Dimov, D., Jordanova, D., *Jordanova, N.*, 2012. Relations between the emplacement and fabric-forming conditions of the Kapitan-Dimitriev pluton and the Maritsa shear zone (Central Bulgaria): magnetic and visible fabrics analysis. *Int. J. Earth Sci.* 101 (3), 747-759 **IF=2.093**
- 53) *Jordanova N.*, Jordanova, D., Petrov, P. , 2011. Magnetic imprints of pedogenesis in Planosols and Stagnic Alisol from Bulgaria. *Geoderma*, 160, 477-489. **IF=2.772**
- 54) Jordanova D., Grygar, T., *Jordanova, N.*, Petrov, P., 2011. Palaeoclimatic significance of hematite/goethite ratio in Bulgarian loess-palaeosol sediments deduced by DRS and rock magnetic measurements. In: *"The Earth's Magnetic Interior" Volume 1 in the IAGA Special Sopron Book Series, Springer* (IAGA special volume publication from 11th Scientific Assembly, August 23 – 30 2009, Sopron, Hungary), pp. 399-412.
- 55) Jordanova D., *Jordanova, N.*, Atanasova, A., Tsacheva, Ts., Petrov, P., 2011. Soil tillage erosion estimated by using magnetism of soils – a case study from Bulgaria. *Environmental Monitoring and Assessment*, 183 (1-4), 381-394. **IF=1.679**
- 56) Jordanova, D., *Jordanova N.*, Lanos, Ph., Petrov P. Tsacheva Ts. 2012. Magnetism of outdoor and indoor settled dust and its utilization as a tool for revealing the effect of elevated particulate air pollution on cardiovascular mortality. *Geochemistry, Geophysics, Geosystems (AGU journals)*, 13 (8), article Q08Z49, doi:10.1029/2012GC004160. **IF=2.923**
- 57) Grison, H. , Petrovský, E. , *Jordanova, N.* , Kapička, A., 2011. Strongly magnetic soil developed on a non-magnetic rock basement: A case study from NW Bulgaria. *Studia Geophysica et Geodaetica*, 55 (4), 697-716. **IF=0.806**
- 58) Henry B., Naydenov K., Dimov D., Jordanova D., *Jordanova N.*, 2012. Relations between the emplacement and fabric-forming conditions of the Kapitan-Dimitriev pluton and the Maritsa shear zone (Central Bulgaria): Magnetic and visible fabrics analysis. *Int.J. Earth Sci.* 101 (3), 747-759. **IF=2.093**
- 59) Petrov, P., Yankova, R., *Jordanova, N.*, Jordanova, D., Tsacheva, Ts. 2012. Magnetic particles and pollens in indoor and outdoor settled dust from several Bulgarian cities – environmental implications. 12th Intern. Multidisciplinary Scientific GeoConference SGEM 2012. Conf. Proceedings Vol. II, 593-600.
- 60) Petrov, P., *Jordanova, N.*, Jordanova, D., 2012. Magnetism of road dust from six Bulgarian cities as a tool for environmental monitoring of urban pollution. 12th Intern. Multidisciplinary Scientific GeoConference SGEM 2012. Conf. Proceedings Vol. II, 601-608.
- 61) Jordanova D., Goddu S.R., Kotsev T., *Jordanova N.*, 2013. Industrial contamination of alluvial soils near Fe-Pb mining site revealed by magnetic and geochemical studies. *Geoderma* 192, 237-248. **IF=2.772**
- 62) Jordanova, D. , *Jordanova, N.*, Werban, U., 2013. Environmental significance of magnetic properties of Gley soils near Rosslau (Germany). *Env. Earth Sci.*, 69 (5), 1719-1732. **IF=1.765**
- 63) *Jordanova, N.* , Jordanova, D., Liu, Q., Hu, P., Petrov, P., Petrovský, E., 2013. Soil formation and mineralogy of a Rhodic Luvisol - insights from magnetic and geochemical studies. *Global and Planetary Change*, 110, 397-413. **IF=2.766**
- 64) Jordanova, D. , *Jordanova, N.*, Petrov, P., 2014. Magnetic susceptibility of road deposited sediments at a national scale - Relation to population size and urban pollution. *Environmental Pollution* 189, 239-251. **IF=4.143**
- 65) Jordanova D., *Jordanova N.*, Petrov P., 2014. Pattern of cumulative soil erosion and redistribution pinpointed through magnetic signature of Chernozem soils. *Catena*, 120, 46-56. **IF=2.82**
- 66) Georgiev N., Henry B., *Jordanova N.*, Jordanova D., Naydenov K., 2014. Emplacement and fabric-forming conditions of plutons from structural and magnetic fabric analysis: A case study of the Plana pluton (Central Bulgaria). *Tectonophysics*, 629, 138–154. **IF=2.872**
- 67) Kovacheva M., Kostadinova-Avramova M., *Jordanova N.* , Lanos Ph., Boyadzhiev Y., 2014. Extended and revised archaeomagnetic database and secular variation curves from Bulgaria for the last eight millennia. *Physics of the Earth and Planetary Interiors*, 236, 79–94. **IF=2.895**
- 68) Mokreva A., Tcherkezova E., *Jordanova N.*, 2015. Preliminary results from integrated magnetic and geomorphologic investigations of the archaeological site “Ada tepe” (Eastern Rhodopes). Седма Национална Конференция по Геофизика с международно участие „Геофизика 2015”, 20 – 23 май 2015 г., София. Публикация на CD

ПРИЛОЖЕНИЕ 2

Участие и ръководство на научно-изследователски проекти

Международни

а) ръководство на проекти:

1. 6th Framework Program of EU; Marie-Curie European Re-Integration Grant MAPHOPE: “Magnetic proxies for evaluation of “hot spots” industrial pollution in East Bulgaria”, contract No MERG-CT-2004-508786, 2004.
2. Двустранно сътрудничество между БАН и IPGP (Paris, France): Принос на палеомагнетизма за реконструкция на тектонската еволюция на Мизийската платформа и Предбалкана 1/1997 – 12/1998.
3. Двустранно сътрудничество между БАН и IPGP (Paris, France): Влияние на лабораторното нагряване, минералогичните промени и изветрянето върху магнитната текстура на скалите, 1/2001 - 2003
4. Двустранно сътрудничество между БАН и Чешката Академия на Науките (Чехия): Приложение на магнетизма на скалите в изследванията на околната среда, 1/2002 – 2003.
5. Двустранно сътрудничество между БАН и IPGP (Paris, France): Палеомагнетизъм и магнитна анизотропия на скали от Средногорието, 2004-2005.
6. Двустранно сътрудничество между БАН и IPGP (Paris, France): “Magnetic fabric of Strandja and Central Srednogorie plutons (Bulgaria) and structural implications”, 2006-2007
7. 7th FP of EU, Cooperation Project “Interactions between soil related sciences – Linking geophysics, soil science and digital soil mapping” (iSOIL), 2008 – 2011.
8. Двустранно сътрудничество между БАН и Китайската Академия на Науките (Инст. по Геология и Геофизика) (Китай): „Почвите и палеопочвите като архив на палеоклимата”, 2012-2014
9. Двустранно сътрудничество между БАН и Чешката Академия на Науките (Чехия): „Приложение на магнитни методи за оценка на почвеното замърсяване и степента на почвеното развитие след рекултивация”, 2014-2016

б) участие

1. European Union PECO Program Project ROKMAG - "Rockmagnetic evaluation of paleomagnetic signals", NoERBCIPDCT940628, 1996-1998.
2. NATO Linkage Grant: “Shear sense in the granitoids from southeastern Bulgaria by petrostructural and AMS methods”, 1999 - 2000.
3. Bilateral cooperation project between Bulg. Acad. Sci. and Univ. Rennes I (France). “Study of the secular variations of the geomagnetic field intensity in Europe for the period 500 - 1000 A.D.: data acquisition and methodology.”, 1999-2001
4. Cooperation project between Geophysical Institute (Prague) and University of Tuebingen (Germany) No DFG436TSE 113/26/1: “Magnetometry of sediments and alluvial formations in the vicinity of local sources of environmental pollution”

5. SCOPES 2000 - 2003. "New aspects of archaeomagnetic studies involving rock magnetism" - cooperation between Universite de Genève, Switzerland and Geophys. Inst., Bulgaria. Project No JRP 7BUPJ062179.

6. SCOPES 2005-2008 "Environmental applications of soil magnetism for sustainable land use", Proj. No No IB7320-110723/1; cooperation between ETH-Zurich and Geophys. Inst

7. NATO Collaborative Linkage Grant grant "Integrated environmental screening by bioindicators and magnetic proxies" No ESP.EAP.CLG. 982060, 2006 – 2008

8. Двустранно научно-техническо сътрудничество между България и Франция – Програма „РИЛА“ 2014 год.: „Детайлен запис на палеоклимата през последните 100 хил. години, получен чрез магнитни изследвания на льосово-почвени седименти от Северна България“, партньор - IGP (Paris, France), дог. ДРИЛА 01/5; 2015-2016.

Национални:

а) ръководство на проекти:

1. "Геофизични изследвания на нивото на замърсяване на околната среда и влиянието му върху човешкото здраве в урбанизирани области." Дог. ДО 02-193/2008 - ФНИ, 2009-2011.
2. "Взаимовръзка между науките за почвите – свързване на геофизика, почвознание и дигитално почвено картиране" – национално съфинансиране Дог. ДО 02-147/2009 , ФНИ, 2010-2012г
3. „ Въвеждане на нови методи в палеомагнитните изследвания, свързани с палеоклиматичните и палеотектонски реконструкции” , Дог. МУ-ИС/94, МОНТ, 1994-1996.
4. "Екологични приложения на магнитометричните методи", Дог. МУ-Ф-1201/02, МОНТ, 2003-2005.

б) участие:

1. "Палеоклиматични реконструкции за последните 800 000 год. чрез използване на магнитни изследвания на български льосово-почвени седименти", Дог. НЗ411/94, МОНТ, 1994-1997
2. "Векови вариации на геомагнитното поле и проблеми на праисторическата хронология в България", Дог. НЗ405/94, МОНТ, 1994-1996.
3. "Археомагнитни изследвания на древната посока и интензитет на геомагнитното поле. Принос за датиране в археологията и палеолита". Дог. НИ-НЗ-901/1999, МОНТ, 2000-2002.
4. "Магнитни свойства на почвите като отражение на екологичното им състояние". Дог. НЗ 1510/2005, МОНТ, 2006-2008.

Планов научен проект на НИГГГ:

1. Структура на древното геомагнитно поле на територията на България.– 2010г. ръководител
2. Магнетизъм на околната среда и поведение на древното геомагнитно поле – 2011-2014г ръководител

ПРИЛОЖЕНИЕ 3

Доклади на международни научни конференции
за периода 2005 - 2015

1. Jordanova N., Jordanova D., Tsacheva Ts.. The role of soil forming factors and anthropogenic pollution for the signature of soil profiles from East Bulgaria. EGU General Assembly, Vienna, Austria, 2-7 April 2006, *oral*.
2. Jordanova D., Grygar T., Jordanova N., Avramov V.. Goethite and hematite content in loess-palaeosol sediments from North Bulgaria revealed by rock magnetic methods and diffuse reflectance spectroscopy (DRS). EGU General Assembly, Vienna, Austria, 2-7 April 2006, *poster*.
3. Jordanova N., Jordanova D.. Magnetic susceptibility mapping and mineral magnetic properties of topsoils developed on highly magnetic lithology. 10th "Castle Meeting" New Trends in Geomagnetism, Castle of Valtice, September 3-8, 2006, *oral*.
4. Jordanova, D., Jordanova, N., Hirt, A., Kretzschmar, R., Barmettler, K.: "Development of soil differentiation in Chernozem - Luvic Chernozem – Phaeozem genetic types revealed by their rock magnetic and chemical properties" ; *IUGG XXIV General Assembly* 2-13 July 2007, Perugia, Italy, *oral*.
5. Jordanova, N., Jordanova, D., Kretzschmar, R., Barmettler, K., Hirt, A.: "Mineral magnetic properties and soil chemistry of Planosols from south Bulgaria"; *IUGG XXIV General Assembly* 2-13 July 2007, Perugia, Italy, *oral*.
6. Jordanova D, Jordanova N, Hirt A, Dimov D. 2008. Mineral magnetic properties of Antarctic soils from Livingston Island (South Schetlands). Presented at 2008 International Conference of Rock Magnetism and its Earth Science Applications, Cargèse, France, *poster*
7. Jordanova D, Jordanova N, Hirt A, Petrov P, Kretzschmar R. 2008. Kinetics of thermal transformations of soil material during laboratory heating experiments. 11th Castle Meeting, Bojnice Castle, Slovak Republic, 2008, *oral*
8. Jordanova N, Jordanova D, Hirt A, Petrov P, Kretzschmar R. 2008. Magnetic expression of pedogenesis in vertisols from Bulgaria. 11th Castle Meeting, Bojnice, Slovak Republic, 2008, *oral*
9. Jordanova, D., Jordanova, N., Hoffmann, V., Petrov, P. 2008. Magnetic signature of different vegetation species in polluted environment. 11th Castle Meeting, Bojnice, Slovak Republic, 2008, *oral*.
10. Jordanova N., Jordanova D., Todorova D., Hirt A., Petrov P.. Relationship between physical properties and magnetism of soils from various pedoenvironments. Annual Spring Meeting of the American Geophysical Union (AGU) Toronto, 23 – 29 May 2009, *poster*
11. Jordanova D., Jordanova N., Hirt, A., Petrov P., Kretzschmar R. Thermal transformations of Chernozem like soil samples during laboratory heating and their implications for revealing degree of soil maturity. Annual Spring Meeting of the American Geophysical Union (AGU) Toronto, 23 – 29 May 2009, *oral*
12. Jordanova D., Petrov P., Hoffmann V., Jordanova N., Tsacheva Ts., Dimov D. Lichens and mosses used as biomonitors in environmental magnetic studies. Annual Spring Meeting of the American Geophysical Union (AGU) Toronto, 23 – 29 May 2009, *poster*
13. Jordanova N., Jordanova D., Petrov P., Popov T., Yankova R., Tsacheva Ts., Dimov D.. Characterization of indoor and outdoor dust from major cities in Bulgaria – preliminary results. IAGA 11th Scientific Assembly, August 23 – 30 2009, Sopron, Hungary; *poster*.
14. Jordanova D., Jordanova N. and Grygar T.. Rock magnetic and DRS characteristics of loess palaeosol sediments from Bulgaria and their link to palaeo-environmental conditions. IAGA 11th Scientific Assembly, August 23 – 30 2009, Sopron, Hungary, *oral*.

15. Jordanova D., Jordanova N., Petrov P., 2010. Exploring the link between magnetic signature and physical/chemical parameters of anaerobic soils. EGU General Assembly, Vienna, Austria, 2-7 May 2010. *poster*
16. Jordanova D., Jordanova N., Werban U., Atanasova A., Petrov P., 2010. Use of geophysical mapping and laboratory magnetic studies for characterization of soil properties in an area, heavily affected by metallurgical industry in Bulgaria. EGU General Assembly, Vienna, Austria, 2-7 May 2010. *poster*
17. Jordanova D., Atanasova A., Petrov P., Jordanova N., 2010. Experimental evaluation of the degree of soil erosion caused by agricultural activities in a small area near Sofia (Bulgaria) using magnetic methods. EGU General Assembly, Vienna, Austria, 2- 7 May, 2010. *oral*
18. Petrov P., Jordanova N., Jordanova D., Tsacheva Ts.. Magnetic susceptibility of indoor and outdoor dust samples from major cities in Bulgaria. 10th International Multidisciplinary Scientific GeoConference SGEM 2010, Albena, 20 – 26 June, 2010, *poster*.
19. Jordanova, N., Jordanova, D., Yankova, R., Petrov, P., Popov, T., Tsacheva, Ts., 2010. Magnetic and aerobiological studies of indoor and outdoor dust from Bulgaria. 12th Castle Meeting on New Trends in Geomagnetism, August 29 - September 4, 2010, Castle of Nove Hradý, South Bohemia, Czech Republic, Abstracts, p.35, *oral*.
20. Jordanova N., Jordanova D., Petrov P., Atanasova A.: Magnetism of soils applied for estimation of erosion at an agricultural land in NE Bulgaria. XXV IUGG General Assembly: Earth on the Edge: Science for a Sustainable Planet, 28 June - 7 July 2011, Melbourne, Australia. *oral*
21. Jordanova D., Jordanova N., Werban U.: Geophysical methods applied for characterization of alluvial soils near Rosslau (Germany). 16th International MESAEP Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, September 24 - 27, 2011, Ioannina, Greece. *oral*
22. Jordanova D., Jordanova N., Petrov P.: Estimation of soil erosion by using magnetic properties of soils – experience from two contrasting case studies. 2nd Biennial Meeting of the Latin-American Association of Paleo magnetism and Geomagnetism (LATIN MAG), November 23-26 2011, Tandil, Argentina *oral*
23. Jordanova N., Jordanova D., Dimov D.: Magnetic properties of soils from Livingston Island (South Schetlands, Antarctica) as indicators of weathering and pedogenesis. XVIII INQUA-Congress, Quaternary sciences – the view from the mountains, 21-27 July 2011, Bern, Switzerland, *oral*
24. Jordanova N., Kotsev Ts., Jordanova D.: Industrial contamination of alluvial soils near Fe-Pb mining site in Bulgaria revealed by magnetic and geochemical studies. 16th International MESAEP Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, September 24 - 27, 2011, Ioannina, Greece *poster*
25. Ivanova D., Jordanova D., Jordanova N.: Magnetic properties of soil samples from Lany (Czech Republic) and their relationship to the soil physical characteristics. 2nd Biennial Meeting of the Latin-American Association of Paleo magnetism and Geomagnetism (LATIN MAG), November 23-26 2011, Tandil, Argentina. *poster*
26. Jordanova D., Jordanova N., Petrov P., Petrovsky E.. Pedogenic iron oxides in two Luvisols from Bulgaria, developed under continental Mediterranean climate. EGU General Assembly, Vienna, Austria, 21-27 April 2012, *poster*.
27. Jordanova D., Jordanova N.. “Magnetic properties of iron (oxy)hydroxides in a sub-alpine Humic Cambisol”. “EuroSoil 2012-For the benefit of Mankind and Environment”, 2-6 July 2012, Bari, Italy, *poster*
28. Jordanova N., Jordanova D.. “Magnetic properties of soils developed under different environmental settings” “EuroSoil 2012-For the benefit of Mankind and Environment”, 2-6 July 2012, Bari, Italy, *poster*

29. Jordanova, D., Jordanova N., Petrov P. "Loess-palaeosol deposits in low Danube plain at Bulgarian territory and their relation to the global environmental change during the last 800 ka" BEPIS 2013 "Earth's and Planetary Interiors: Observations and Numerical Models of Paleomagnetism and Planetary Magnetism"; 27-30 June 2013, *poster*
30. Jordanova, D., Jordanova N., Petrov P. "Magnetism of urban dust as a tool for revealing the effect of atmospheric pollution on human health" BEPIS 2013 "Earth's and Planetary Interiors: Observations and Numerical Models of Paleomagnetism and Planetary Magnetism"; 27-30 June 2013, *poster*
31. Jordanova, D., Jordanova N., Petrov P. Magnetic susceptibility of road deposited sediments at a national scale – relation to population size and urban pollution. International conference on Atmospheric Dust. Castellana Grotte (TA), Italy, June 1-6, 2014, *oral*.
32. Georgiev N., Henry B., Jordanova N., Jordanova D., Naydenov K. Emplacement and fabric-forming conditions of plutons from structural and magnetic fabric analysis: A case study of the Plana pluton (Central Bulgaria). Castle Meeting - New trends on Paleo, Rock and Environmental Magnetism, Évora, 31. August-6. September 2014.
33. Jordanova D., Jordanova N., Petrov P.. "National magnetic database for the topsoil samples from Bulgaria." EGU annual meeting, 12-17 April 2015, Vienna, Austria, *oral*
34. Jordanova N. and Jordanova D. „Thermomagnetic behavior of magnetic susceptibility – heating rate and sample mass effects”, 26th General Assembly of IUGG, Prague, Czech Republic, June 22 – July 3, 2015, *oral*
35. Jordanova N., Jordanova D., Petrov P. „Relict Vertisols from Bulgaria – genesis and evolution assessed through rockmagnetic and geochemical investigation”. 26th General Assembly of IUGG, Prague, Czech Republic, June 22 – July 3, 2015, *oral*