

Europass curriculum vitae



Personal information

Surname(s) / First name(s)

Jordanova Diana

Occupational field

Geophysics

Work experience

Dates
Occupation or position held
Main activities and responsibilities
Name and address of employer
Type of business or sector

2012
Professor
Research, preparation of project proposals
National Inst. Geophysics, Geodesy and Geography-BAS; Acad.Bonchev str., bl.3, Sofia, Bulgaria
Research institute

Dates
Occupation or position held
Main activities and responsibilities
Name and address of employer
Type of business or sector

2007-2012
Associate Professor
Lecturer in Geophysics; research
Sofia University „St.Kl.Ohridski”, Faculty of Physics; 5 J. Boucher Blvd., 1164 Sofia, Bulgaria
Higher education

Dates
Occupation or position held
Main activities and responsibilities
Name and address of employer
Type of business or sector

1996-2007
Researcher
Reserach
Geophysical Institute – BAS, Acad.Bonchev str., bl.3, 1113 Sofia, Bulgaria
Research Institute

Education and training

Dates
Title of qualification awarded
Principal subjects/Occupational skills covered
Name and type of organisation providing education and training

1993-1996
PhD in Geophysics
Earth magnetism, magnetic mineralogy, magnetism of soils
Sofia University „St.Kl.Ohridski”, Faculty of Physics; 5 J. Boucher Blvd., 1164 Sofia, Bulgaria

Dates 1987-1992
 Title of qualification awarded MSc in Geophysics
 Principal subjects/Occupational skills covered General geophysics
 Name and type of organisation providing education and training Sofia University „St.Kl.Ohridski”, Faculty of Physics; 5 J. Boucher blvd., 1164 Sofia, Bulgaria

Mother tongue(s) **Bulgarian**

Other language(s)

Self-assessment

European level (*)

English

Language

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C1	C2	C1	C2	C2

(*) Common European Framework of Reference (CEF) level

Social skills and competences Giving lectures for bachelor and master students

Organisational skills and competences Project leader of national and international scientific research projects

Technical skills and competences Experimental work with geophysical equipment

Computer skills and competences Microsoft Office, Grapher, Surfer, Corel draw

Other skills and competences
 - Award of the Bulg. Acad. Sci. "Marin Drinov" for young scientist in Earth Sciences (competition 1999)
 - Marie Curie Individual Fellowship, contract No HPMF-CT-2000-01084; Univ. Tuebingen, Germany, 2001 – 2003
 - EC Marie-Curie Re-integration Grant „MAPHOPE"- 2004

Driving licence(s) yes

Additional information

Fields of expertise: environmental magnetism, palaeomagnetism, Quaternary geology; Palaeoclimate, mineral magnetism

Citations (SCOPUS data base): total 950 (excluding self-citations)

h-index: 18 (excluding self-citations)

LIST OF PUBLICATIONS

1. Kovacheva, M., N. Jordanova, and **D. Jordanova**, 1995. Archaeomagnetic study of the Early Bronze age settlement Sarovka near Dubene, Karlovo district. Reports of Prehistoric Research Projects, Vol1, No 1, 32-43.
2. Jordanova, N., **D. Jordanova**, V. Karloukovski, 1996. Magnetic fabric of Bulgarian loess sediments obtained using two different sampling techniques, *Studia Geophysica et Geodaetica*, 40, 36-49. **IF 1.123**
3. **Jordanova, D.**, E. Petrovsky, N. Jordanova, J. Evlogiev and V. Butchvarova, 1997. Rockmagnetic properties of recent soils from North Eastern Bulgaria. *Geophys.J.Int.*, 128, 474-488. **IF 2.411**
4. **Jordanova, D.** and N. Jordanova, 1998. Magnetic properties of loess sediments from NE Bulgaria - detailed record of climate for the last 800 000 years. *Priroda*, 3-4, 86-88 (in Bulgarian).
5. **Jordanova, D.** and N. Petersen, 1999. Palaeoclimatic record from loess-soil section in NE Bulgaria. Part I: rock-magnetic properties. *Geophys. J. Int.*, 138, 520-532. **IF 2.411**
6. **Jordanova, D.** and N. Petersen, 1999. Palaeoclimatic record from loess-soil section in NE Bulgaria. Part II: correlation with the global climatic events during the Pleistocene. *Geophys. J. Int.*, 138, 533-540. **IF 2.411**
7. **Jordanova, D.** and N. Jordanova, 1999. Magnetic properties of different soil types from Bulgaria. *Studia Geophys. et Geodaetica*, 43, 303-318. **IF 1.123**
8. **Jordanova, D.**, D. Dimov and V. Stanchev, 2000. Magnetic properties of rock samples from Livingston Island (Antarctica) in connection with the interpretation of magnetic anomalies. *Annuaire de l'Univ. de Sofia "St. Kliment Ohridski", Livre 1 - Geologie, vol. 92*, 177-187
9. **Jordanova, D.**, G. Yancheva and V. Gigov, 2001. Viscous magnetization of loess/palaeosol samples from Bulgaria. *Earth Planets and Space*, 53, 169-180. **IF 1.112**
10. Jordanova, N., E. Petrovsky, M. Kovacheva and **D. Jordanova**, 2001. Factors determining magnetic enhancement of burnt clay from archaeological sites. *Journal of Archaeological Science*, 28, No11, 1137-1148. **IF 1.71**
11. Jordanova, N., B. Henry, **D. Jordanova**, Z. Ivanov, D. Dimov, F. Bergerat, 2001. Paleomagnetism in Northwestern Bulgaria: geological implications of widespread remagnetization. *Tectonophysics*, 343, 1-2, 79-92. **IF 2.509**
12. Jordanova, N., **D. Jordanova**, E. Petrovsky, M. Kovacheva, 2001. Changes in magnetic properties of archaeological samples of burnt clay. Implications for palaeointensity determination. *Studia Geophys. Geodaet.*, 45, 297-318. **IF 1.123**
13. Hus J., S. Ech-Chakrouni and **D. Jordanova**, 2002. Origin of Magnetic Fabric in Bricks: its Implications in Archaeomagnetism. *Phys. and Chem. of the Earth*, 27, 1319 - 1331. **IF 0.917**
14. Hus J., Ech-Chakrouni, S., **Jordanova, D.**, and Geeraerts, R., 2003. Archaeomagnetic Investigation of two Mediaeval Brick Constructions in North Belgium and the Magnetic Anisotropy of Bricks, *Geoarchaeology*, vol. 18,2, 225-253. **IF 0.886**
15. Wehland, F., C. Panaiotu, E. Appel, V. Hoffmann, **D. Jordanova**, N. Jordanova, I. Denut, 2002. The dam breakage of Baia Mare – a pilot study of magnetic screening. *Phys. Chem. Earth.*, 27, 1371-1376. **IF 0.917**
16. **Jordanova, D.**, L. Veneva, V. Hoffmann. 2003. Magnetic susceptibility screening of anthropogenic impact on the Danube river sediments in Northwestern Bulgaria – preliminary results. *Studia Geophysica et Geodaetica*, 47, 403 – 418. **1.123**
17. **Jordanova, N.**, D. Jordanova, L. Veneva, K. Yorova, E. Petrovsky, 2003. Magnetic response of soils and vegetation to heavy metal pollution – a case study. *Environmental Science and Technology*, 37, 4417-4424. **IF 4.827**
18. B. Henry, **D. Jordanova**, N. Jordanova, Ch. Souque, P. Robion, 2003. Anisotropy of magnetic susceptibility of heated rocks. *Tectonophysics*, 366, 3-4, 243-260 **IF 2.509**
19. **Jordanova, D.**, Hoffmann, V. and Fehr, Th., 2004. Mineral magnetic characterization of anthropogenic magnetic phases in the Danube river sediments (Bulgarian part). *Earth Planet. Sci. Lett.*, 221: 71 – 89. **IF 4.279**
20. **D. Jordanova**, V. Hoffmann, Th. Fehr, 2004. Integrated study of single anthropogenic particles - magnetic and environmental implications. *Environmental Chemistry*, 1, 31 – 34. **IF 1.818**
21. Veneva, L., Hoffmann, V., **Jordanova, D.**, Jordanova, N., Fehr, Th., 2004. Rock magnetic, mineralogical and microstructural characterization of fly ashes from Bulgarian power plants and the nearby anthropogenic soils. *Phys. Chem. Earth*, 29: 1011 – 1023. **IF 0.917**
22. Goddu Srinivasa Rao, Appel, E. **Jordanova, D.**, Wehland, F., 2004. Magnetic properties of road dust from Visakhapatnam (India) – relationship to industrial pollution and road traffic. *Phys. Chem. Earth*, 29: 985 – 995. **IF 0.917**
23. Henry, B., **Jordanova, D.**, Jordanova, N., Le Goff, M., 2005. Thermal transformations of magnetic mineralogy of rocks revealed by difference of the hysteresis loops measured after stepwise heating. *Geophys. J. Int.*, 162, 64-78. **IF 2.411**
24. Buyuksarac, A., **Jordanova, D.**, Ates, A., Karloukovski, V., 2005. Interpretation of the gravity and magnetic anomalies of the Cappadocia Region, Central Turkey. *Pure Applied Geophys.*, 162, 2197-2213. **IF 1.091**
25. **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 2.64**
26. Jordanova, N., **Jordanova, D.**, Henry, B., Le Goff, M., Dimov, D., Tsacheva, Ts., 2006. Magnetism of cigarette ashes. *J. Magnetism and Magnetic Materials*, 301, 50-66. **IF 1.69**
27. Avramov, V., **Jordanova, D.**, Hoffmann, V., Roesler, W., 2006. The role of dust source area and pedogenesis in three loess-palaeosol sections from North Bulgaria: a mineral magnetic study. *Studia Geoph. Geodaetica*, 50, 259-282. **IF 1.123**
28. **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 4.279**
29. Henry, B., **Jordanova, D.**, Jordanova, N., Hus, J., Bascou, J., Funaki, M., Dimov, D., 2007. Alternating field-impressed AMS in rocks. *Geophys. J. Int.*, 168, 533-540. **IF 2.411**

30. Jordanova, N., **Jordanova, D.**, 2007. Application of magnetic methods for estimation of degree of soil pollution in the area of Varna-Devnja industrial zone” *VII International Scientific Conference SGEM*, abstract book pp. 152-153; full text on CD.
31. Henry, B., **Jordanova, D.**, Jordanova, N., Derder, M., Bayou, B., Amenna, M., Dimov, D., 2007. Composite magnetic fabric deciphered using heating treatment. *Studia Geophys. Geod.* **51**, 293-314. **IF 1.123**
32. **Jordanova, D.**, Hus, J., Geeraerts, R., 2007. Palaeoclimatic implications of the magnetic record from loess/palaeosol sequence Viatovo (NE Bulgaria). *Geophysical Journal International*, **171**, 1036-1047; Doi: 10.1111/j.1365-246X.2007.03576.x **IF 2.411**
33. **Jordanova, D.**, Hus, J., Evlogiev, J., Geeraerts, R., 2008. Palaeomagnetism of the loess/palaeosol sequence in Viatovo (NE Bulgaria) in the Danube basin. *Phys. Earth Planet. Inter.*, **167**, 71-83. **IF 2.64**
34. 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 2.178**
35. 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. *Geologica Carpathica*, **60**,1, 15-33. **IF 0.909**
36. Fraenzle S., V. Hoffmann, C. Panaiotu, **D. Jordanova**, N. Jordanova, R. Djingova, S. Wuenschmann, B. Markert, 2009. Formation and determination of magnetite particles in biological samples for biomonitoring inputs of Fe and other heavy metals. *Agrochimica*, Vol. LIII - N. 6, 405 – 417. **IF 0.279**
37. **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**, 2-3, 158-169 **IF 1.893**
38. **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 1.123**
39. N. Jordanova, **D. Jordanova**. Magnetic methods for delineation of heavy metal pollution in Burgas region. 2010. *10th International Multidisciplinary Scientific GeoConference SGEM 2010*. Conference Proceedings, vol.1, 783 – 790.
40. **D. Jordanova**, D. Todorova, Ts. Tsacheva, 2010. Magnetism of street dust from Sofia city – quantitative indication about degree of environmental pollution. *10th International Multidisciplinary Scientific GeoConference SGEM 2010*. Conference Proceedings, vol.1, 795 – 802.
41. N. Sirakov, J.-L. Guadelli, S. Ivanova, S. Sirakova, M. Boudadi-Maligne, I. Dimitrova, Fernandez Ph, C. Ferrier, A. Guadelli, **D. Jordanova**, N. Jordanova, M. Kovatcheva, I. Krumov, J.-Cl. Leblanc, V. Miteva, V. Popov, R. Spassov, S. Taneva, T. Tsanova. 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 1.768**
42. N. Jordanova, **D. Jordanova**, P. Petrov, 2011. Magnetic imprints of pedogenesis in Planosols and Stagnic Alisol from Bulgaria. *Geoderma*, **160**, 477-489. **IF 2.178**
43. **Jordanova, D.**, Jordanova, N., Grygar, T., 2011. Rock magnetic and DRS characteristics of loess palaeosol sediments from Bulgaria and their link to palaeo-environmental conditions. *In: The Earth’s Magnetic Interior. IAGA Special Sopron Book Series*, Volume 1. Petrovsky, E., Herrero-Bervera, E., Harinarayana, T., Ivers, t. (Eds.). 1st Edition, 2011, XVIII, Springer Science+Buisness Media B.V., 399-412
44. **D. Jordanova**, N. Jordanova, A. Atanasova, Ts. Tsacheva, P. Petrov, 2011. Soil tillage erosion estimated by using magnetism of soils – a case study from Bulgaria. *Environmental Monitoring and Assessment*, **183**, 381-394. **IF 1.436**
45. B. Henry, K. Naydenov, D. Dimov, **D. Jordanova**, N. Jordanova, 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**, 747 – 759. **IF 1.98**
46. **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. *Geochem. Geophys. Geosys.*, vol. 13, Q08Z49, 27 PP., 2012, doi:10.1029/2012GC004160 **IF: 3.021**
47. **Jordanova D.**, Jordanova, N., Werban, U., 2012. Environmental significance of magnetic properties of Gley soils near Rosslau (Germany). *Env. Earth Sci.* doi: 10.1007/s12665-012-2006-3 **IF: 1.059**
48. **Jordanova D.**, Goddu S.R., Kotsev Ts., Jordanova N., 2013. Industrial contamination of alluvial soils near Fe-Pb mining site revealed by magnetic and geochemical studies. *Geoderma*, **192**, 237 – 248. **IF 2.178**
49. Jordanova N., **Jordanova D.**, Liu Q., Hu P., Petrov P., Petrovsky E., 2013. Soil formation and mineralogy of a Rhodic Luvisol – insights from magnetic and geochemical studies. *Global and Planetary Change*, **110**, 397-413; DOI: 10.1016/j.gloplacha.2013.08.020 **IF 3.155**
50. **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 3.902**
51. **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 1.881**
52. 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 2.866**
53. **Jordanova D.** and Jordanova N., 2016. Thermomagnetic behavior of magnetic susceptibility – heating rate and sample size effects. *Front. Earth Sci.* **3**, 90; doi:10.3389/feart.2015.00090.

54. Jordanova, N., **Jordanova D.**, Petrov, P., 2016. Soil magnetic properties in Bulgaria at a national scale—Challenges and benefits. *Global and Planetary Change*, 137, 107–122.
55. Jordanova, N., **Jordanova, D.** 2016. Rock-magnetic and geochemical characteristics of relict Vertisols—signs of past climate and recent pedogenic development. *Geophysical Journal International*, 205, Oxford University Press, ISSN:0956-540X, DOI:10.1093/gji/ggw067, 1437-1454.
56. Jordanova, N., Petrovský, E., Kapicka, A., **Jordanova, D.**, Petrov, P., 2017. Application of magnetic methods for assessment of soil restoration in the vicinity of metallurgical copper-processing plant in Bulgaria. *Environmental Monitoring and Assessment*, 189, Article number 158
57. Attoucheik, L., Jordanova, N., Bayou, B., Lagroix, F., **Jordanova, D.**, Maouche, S. Henry, B. , Boutaleb, A., 2017. Soil metal pollution from former Zn-Pb mining assessed by geochemical and magnetic investigations: case study of the Bou Caid area (Tissemsilt, Algeria). *ENVIRONMENTAL EARTH SCIENCES*, 76 (7), Article Number: 298, DOI: 10.1007/s12665-017-6622-9
58. Kostadinova-Avramova, M., Jordanova, N., Jordanova, D., Grigorov, V., Lesigyarski, D., Dimitrov, P., Bozhinova, E., 2018. Firing temperatures of ceramics from Bulgaria determined by rock-magnetic studies. *Journal of Archaeological Science: Reports*, 17, 617-633.
59. Jordanova, N., Jordanova, D., Kostadinova-Avramova, M., Lesigyarski, D., Nikolov, V., Katsarov, G., & Bacvarov, K. , 2018. A mineral magnetic approach to determine paleo-firing temperatures in the Neolithic settlement site of Mursalevo-Deveboaz (SW Bulgaria). *Journal of Geophysical Research: Solid Earth*, 123. <https://doi.org/10.1002/2017JB01519>.
60. Jordanova, D., Jordanova, N., Barrón, V., Petrov, P., 2018. The signs of past wildfires encoded in the magnetic properties of forest soils. *CATENA*, 171, 265-279. IF=3.256

Annex 2

Research projects during the period 2006 - 2018

international:

1. Bilateral cooperation project “Magnetic fabric of Strandja and Central Srednogorie plutons (Bulgaria) and structural implications”, 2006-2007, between Geophys. Inst. BAS and IPGP (Paris, France); **PI of the Bulgarian team**
2. SCOPES Project IB7320-110723 “Environmental Applications of Soil Magnetism for Sustainable Land Use”; 2005 – 2008. Partners: Institute of Geophysics, ETH-Hönggerberg, Dr. Ann Hirt; Institute for Terrestrial Ecology, Soil Chemistry, ETH-Schlieren, Prof. Dr. Ruben Kretzschmar; Geophysical Institute, BAS, Dr. Diana Jordanova; Faculty of Geology and Geography, Sofia Univ. "St. Kl. Ohridski", Assoc. Prof. Dr. Dimo Dimov; **PI of the Bulgarian team**
3. NATO Linkage Grant “Integrated environmental screening by bioindicators and magnetic proxies” 2006-2008, coordinator: Doc. V. Hoffmann (Germany). 2008-2009; **PI of the Bulgarian team**
4. FP7 iSOIL project “Interactions between soil related sciences – Linking geophysics, soil science and digital soil mapping Collaborative project No 211386; 2008 – 2011; participant
5. «Collision Europe – Dinarides: Maritza shear zone in Central Bulgaria” project RILA 4/405, 2009 – 2010; participant
6. Soils and palaeosols as an archive of (palaeo)climates. Bilateral cooperation project BAS - Chinese Academy of Sciences, 2012 – 2014; participant
7. Ecological state of soils evaluated through magnetic methods. Bilateral cooperation project BAS - Academy of Sciences of Czech Republic (Inst. Geophysics), 2011 – 2013; participant.
8. Bilateral cooperation project PHC RILA project between NIGGG – BAS and IPGP (Paris). Project RILA 01/5, subject: “High resolution palaeoclimate archive of the last 100ka deduced from mineral magnetic properties of loess-palaeosol section in North Bulgaria”, 2015 – 2016; **PI of the Bulgarian team**

national:

8. “Magnetic properties of soils as a reflection of their ecological status”, Grant NZ1510, Ministry of Science and Education, 2006 – 2008, **PI**.
9. National contribution to FP7 iSOIL Project – Grant DO 147/2009, Ministry of Science and Education; 2009 – 2012, participant

10. "Geophysical investigations of the environmental pollution level and its effect on human health in urban areas." - Grant DO 02-193/2008r., National Science Fund; 2008 – 2012; participant

11. Fire in the past recorded in archaeological remains and soils – implications for archaeology and soil science from a rock-magnetic perspective" – Bulgarian National Science Fund; contract No ДФНИ К02/13, 2015-2017, participant.

Conference contributions for the period 2006 - 2018

1. N. Jordanova, D. Jordanova, Ts. Tsacheva. 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. D. Jordanova, T. Grygar, N. Jordanova, V. Avramov. 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. N. Jordanova, D. Jordanova. 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. Neli Jordanova, Diana Jordanova, Daniela Todorova, Ann Hirt, Petar Petrov. 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. Diana Jordanova, Neli Jordanova, Ann Hirt, Petar Petrov, Ruben Kretzschmar. 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. Diana Jordanova, Petar Petrov, Viktor Hoffmann, Neli Jordanova, Tsenka Tsacheva, Dimo Dimov. 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. N. Jordanova, D. Jordanova, P. Petrov, T. Popov, R. Yankova, Ts. Tsacheva, D. Dimov. 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. D. Jordanova, N. Jordanova and T. Grygar. 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. Diana Jordanova, Neli Jordanova, Petar Petrov, 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. Diana Jordanova, Neli Jordanova, Ulrike Werban, Anna Atanasova, Petar Petrov, 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. Diana Jordanova, Anna Atanasova, Petar Petrov, Neli Jordanova, 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. P. Petrov, N. Jordanova, D. Jordanova, Ts. Tsacheva. 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. Neli Jordanova, Diana Jordanova, Petar Petrov, Anna Atanasova: 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. Diana Jordanova, Neli Jordanova, Ulrike Werban: 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. Diana Jordanova, Neli Jordanova, Petar Petrov: 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. Diana Jordanova, Petya Trifonova: Application of multivariate statistical methods for assessment of feasibility of predicting the particle-size distribution from magnetic properties of 16 different soil types from Bulgaria. XVIII INQUA-Congress, Quaternary sciences – the view from the mountains. 21-27 July 2011, Bern, Switzerland *poster*
24. Neli Jordanova, Tzvetan Kotsev, Diana Jordanova: 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. Desislava Ivanova, Diana Jordanova, Neli Jordanova: 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. M. Metodiev, D. Jordanova , P. Petrov , 2011. Palaeoclimate in NW Bulgaria Since the Last Interglacial Period Revealed by Magnetic Studies, Proceedings of the 6th Congress of Balkan Geophysical Society - Budapest, Hungary. *Poster*
27. D. Jordanova, N. Jordanova, P. Petrov, E. Petrovsky. Pedogenic iron oxides in two Luvisols from Bulgaria, developed under continental Mediterranean climate. EGU General Assembly, Vienna, Austria, 21-27 April 2012.
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