

Curriculum Vitae



First name(s) / Surname(s) **STANISLAV STOYKOV**

Address (business) Mining and Geology University 'St. Ivan Rilski', Studentski Grad, prof. Bojan Kamenov str., Sofia 1700, Department Economic Geology

Mobile (optional) +359 2 8060357

E-mail sstoykov@mgu.bg

Positions (at moment) **Associated Professor**

Dates **2011**

Occupation or position held **Head Assistant Professor**

Name and address of employer Mining and Geology University 'St. Ivan Rilski'
20

Dates 2004 - 2011

Education and training

Dates **2000 – 2003**

Title of qualification awarded **Ph D**

Educational institution Geological Institute, Bulgarian Academy of Sciences

Dates 1991 – 1996, 1990 -1995

Title of qualification awarded Applied Informatics, Geology and Geochemistry

Educational institution Sofia University 'St. Kliment Ochridski'

Mother tongue(s) **Bulgarian**

Other language(s) **Russian, English**

Self-assessment
European level ()*

Russian

English

Understanding		Speaking		Writing			
Listening	Reading	Spoken interaction	Listening	Reading			
C2	Proficient level	C2	Proficient level	C2	Proficient level	C1	Proficient level
C2	Working level	C2	Working level	C2	Working level	C2	Working level

(*) [Common European Framework of Reference for Languages](#)

Professional information and applications

Professional and Research interests (key words)	Mineral resources – industrial raw materials, prospecting of mineral deposits, geology of mineral deposits, geochemistry, isotope geology, radiogeochronology, petrology, remote sensing, geothermometry and geobarometry, Geo-archeology
Patents and Inventions	-
Membership of professional and trade organization	Bulgarian Geological society, Mineralogy, petrology and economic geology Museum society of Mining and Geology University, JICA – (Japan International Cooperation Agency) Alumni – Bulgaria Full license for projects elaboration in prospecting and exploration of mineral deposits, and evaluation of mineral resources – The Bulgarian Chamber of engineers in investment project elaboration
Publications	55+ Geology of mineral deposits, remote sensing, isotope geology, geochemistry, prospecting of mineral deposits, etc. (Appendix 1)
Projects	15+ Coordinator – European Science Foundation, SCOPES, 7FWP, BNSF, etc. (Appendix 2)
Participation in scientific sessions, conferences and congresses	Bulgarian Geological society 2002, 2003, 2004, 2005, 2006, 2007; 2022. 2007. SGA meeting, Dublin. 2007. <i>Advances in Regional Geological and Metallogenic Studies in the Carpathians, Balkans, Rhodope Massif and Caucasus (Romania, Serbia, Bulgaria and Georgia)</i> . Bor, Serbia. 12. 2009. <i>Recent research activities and new results about the regional geology, geodynamics and metallogeny of Caucasus and Balkans, Tbilisi and Madneuli, Georgia</i> . XXII International Congress of the CBGA, Plovdiv, Bulgaria, 7–11 September, 2022
Specialization abroad	1998-1999 Institute of Geology and Paleontology, Paris-Lodron University of Salzburg, Austria; 2002 Institute of Isotope Geology and Mineral Resources, ETH (Swiss Federal Institute of Technology) –Zurich, Switzerland; 2002 Institute of Geology – University of Geneva, Switzerland; 2003 Japan International Cooperation Agency Under the International Cooperation Programme of The Government of Japan, Organized by the General Directorate of Mineral Research and Exploration, Ankara – Turkey "Exploration and Evaluation of Underground Resources – Industrial minerals and rocks"; 2004 Japan International Cooperation Agency Under the International Cooperation Programme of The Government of Japan, Organized by the General Directorate of Mineral Research and Exploration, Ankara – Turkey "Exploration and Evaluation of Underground Resources – Remote Sensing and GIS"; 2008 2 months, Institute of Geology, University Geneva, Geneva, Switzerland, Supervisor: Prof. Dr. Robert Moritz; Geochemistry, magmatism and its relation to mineral forming processes
Other professional skills	

PUBLICATIONS

- СТОЙКОВ**, Ст. и др. Петрология на Чучулигинските I-тип гранитоиди, Източни Родопи, България. / С. СТОЙКОВ, Б. Маврудчиев // *Геохим. минерал. петрол.* 1997. 32, с. 101-116 . ISSN 0324-1718.
- ЯНЕВ, Й. и др. Петрология и K-Ar датиране на палеогенския магматизъм в района на селата Ябълково и Сталево, Източнородопска вулканска област. / Й. Янев, **С. Стойков**, З. Печкай. // *Геохим. минерал. петрол.* 1998. 34, с. 97-110. ISSN 0324-1718.
- STOYKOV**, S. et al. Late Cretaceous magmatism of Chelopech region, Central Srednogorie volcanic-intrusive zone (Bulgaria). - *Geol. Carpat. Special issue* / S. Stoykov, Y. Yanev, R. Moritz, D. Fontignié // 2002. 53 (electronic version). ISSN 1335-0552, Impact Factor 0.147.
- STOYKOV**, S. et al. Geological structure and petrology of the late cretaceous Chelopech volcano, Srednogorie magmatic zone. / S. Stoykov, Y. Yanev, R. Moritz, I. Katona, // *Geochem. Mineral. Petrol.* 2002. 39, 27–38. ISSN 0324-1718.

STOYKOV, S. et al. Late Cretaceous magmatism of Chelopech region, Central Srednogorie volcanic-intrusive zone (Bulgaria). – *Geologica Balc. issue / S. Stoykov, Y. Yanev, R. Moritz, D. Fontignié // 2002. 32, 2-4. 37-40. ISSN 0324-0894.*

KAMENOV, B. et al. A. 2003. Petrology of Late Cretaceous ore-magmatic centers from the Central Srednogorie, Bulgaria: Magma evolution and sources. In: Porphyry Cu-Au and epithermal deposits and related magmatism in Srednogorie zone and Eastern Rhodopes Bulgaria. K. Kouzmanov and Von Quadt, A. (eds). / B. Kamenov, R. Moritz, R. Nedialkov, I. Peytcheva, A. von Quadt, **S. Stoykov**, Y. Yanev, A. Zartova. // *IGMR excursion 2003.*

СТОЙКОВ, Ст. и др. Петрология, Sr и Nd изотопна характеристика на къснокредните магматити от югоизточна етрополска стара планина, средногорска магмена зона. – / С. Стойков, Й. Янев, Р. Мориц, Д. Фонтиние. // *Год. МГУ. 2003. 201-207. ISSN 1312-1820.*

KAMENOV, B. et al. Petrology of Late-Cretaceous Ore-Magmatic Centers from Central Srednogorie, Bulgaria. / B. Kamenov, R. Nedialkov, Y. Yanev, **S. Stoykov**. // *Society of Economic Geology. Guidebook series, 2003.36. 27-46.* In: Bogdanov K, Strashimirov S (eds).

STOYKOV, S. et al. New data for Turonian age of the sedimentary and volcanic succession in the southeastern part of Etropole Stara Planina Mountain, Bulgaria. / S. Stoykov, P. Pavlishina // *C. R. Acad. Bulg. Sci. 2003. 56, 55–60. ISSN 1310–1331. Impact Factor 0.251.*

STOYKOV, S. et al. Petrology, Sr and Nd isotope signature of the Late Cretaceous magmatism in the south-eastern part of the Etropole Stara Planina, Srednogorie magmatic zone. / S. Stoykov, Y. Yanev, R. Moritz, D. Fontignié // *50 Years University of Mining and Geology "St. Ivan Rilski", 2003. 46, pp. 161-167. Ann Volume. ISSN 1312-1820.*

STOYKOV, S. et al. Stratigraphy and palynological assessments of the Upper Cretaceous sedimentary and volcanic formations in the region of Chelopech, Central Srednogorie zone, Bulgaria. / S. Stoykov, P. Pavlishina // *Bulgarian Geological Society Annual Scientific Conference "Geology 2004", 16–17 December, Proceedings, 2004. pp. 77–79. ISSN 0007-3938.*

STOYKOV, S. et al. Timing and magma evolution of the Chelopech volcanic complex (Bulgaria). / S. Stoykov, I. Peytcheva, A. von Quadt, R. Moritz, M. Frank, D. Fontignié // *Swiss Bull. Mineral. Petrol. 2004. 84 (1), 101–117. ISSN: 0036-7699.*

GEORGIEVA, S. et al. Temporal relationship between volcanism and the hydrothermal system in the region of Chelopech high-sulfidation Cu–Au deposit: constraints from geochronological and mineralogical data. / S. Georgieva, R. Petrunov, R. Moritz, S. Stoykov, I. Peytcheva, A. von Quadt // *Bulgarian Geological Society, Annual Scientific Conference "Geology 2004", 16-17 December 2004, 2004. 21–24. ISSN 0007-3938.*

KAMENOV, B. et al. An across-Arc petrological transect through the Central Srednogorie Late – Cretaceous magmatic Centers in Bulgaria. / B. Kamenov, R. Nedialkov, R. Moritz, I. Peytcheva, A. von Quadt, **S. Stoykov**, Y. Yanev, A. Zartova. // *In: Proc Ann. Sci. Conf., BGS, "Geology 2004". December 16-17, Sofia, 2004. 35-38. ISSN 0007-3938.*

STOYKOV, S. et al. Stratigraphic position and palynological assessments of the Upper Cretaceous sedimentary and volcanic formations in the region of Chelopech, Central Srednogorie zone, Bulgaria. / S. Stoykov, P. Pavlishina // *In: Proc Ann. Sci. Conf., BG, "Geology 2004", December 16-17, Sofia, 2004. 77-79. ISSN 0007-3938.*

STOYKOV, S. et al. Isotope constraints on the age and magma evolution of Chelopech volcanic complex (Bulgaria). / S. Stoykov, I. Peytcheva, A. von Quadt, R. Moritz, M. Frank, D. Fontignié // *In: Proc Ann. Sci. Conf., BG, "Geology 2004", December 16-17, Sofia, 2004. 80-82. ISSN 0007-3938.*

STOYKOV, S. et al. Timing and magma evolution of the Chelopech volcano, Bulgaria. / S. Stoykov, I. Peytcheva, A. von Quadt, R. Moritz, M. Frank, D. Fontignié // *In: Von Quadt, A. et al. (eds), Spec. Vol. "Geodynamics and Ore Deposit Evolution in the Alpine-Balkan-Carpathian belt", Swiss Bulletin of Mineralogy and Petrology. 2004. 84, 1/2, 101-118. ISSN: 0036-7699.*

ROUSKOV, K. et al. Some application of the Remote Sensing in Geology by using ASTER images. / K. Ruskov, K. Popov, **S. Stoykov**, Y. Yamaguchi, // *Space, ecology, safety – Conference, Varna. 2005. 167-174. ISSN 2603-3313.*

STOYKOV, S. et al. The application of the Satellite Synthetic Aperture Radar Interferometry (InSAR) – Case study the Sofia valley. / S. Stoykov, K. Ruskov, F. Novali, // *Space, ecology, safety – Conference, Varna. 2005. 174-178. ISSN 2603-3313.*

ПЕЙЧЕВА, И. и др. Магмени източници и прецизни датировки на медно-златни находища в Централното Средногорие. / И. Пейчева, А. фон Квадт, Б. Каменов, Р. Недялков, **С. Стойков**, Ж. Иванов, К. Кузманов // *Юбилеен сборник 10 години Централна лаборатория по минералогия и кристалография „Акад. Иван Костов“ към БАН, София. 2005. 89 – 92.*

- STOYKOV, S.** et al. Petrology, Geochemistry, Sr and Nd Isotope characteristics and mineral chemistry of the dykes in the Zlatitza pass, Srednogorie magmatic zone. / S. Stoykov, R. Motitz, D. Fontignie// *Ann. Univ. Mining and Geol.* 2005. 49/1, 137 – 142. ISSN 1312-1820.
- TERRA FIRMA ATLAS** A Ground motion information service for Europe. 2005. 33 p.
- СТОЙКОВ, Ст.** и др. Приложения на дистанционните методи, ползващи сателитни изображения в геологията. /С. Стойков, К. Русков / *Минно дело и геология.* 2006. 1, 41-44. ISSN 0861-5713.
- ROUSKOV, K. et al. Geochemical and Sr – Nd isotope constrains on the Late Cretaceous magmatism in the area of the Zidarovo ore field. /K. Ruskov, A. von Quadt, I. Peytcheva, S. Georgiev, S. Strashimirov, **S. Stoykov**// *Ann. Univ. Mining and Geol.* 2006. 49/1, 131 – 136. ISSN 1312-1820.
- STOYKOV, S.** et al. Photogeological interpretation of satellite images. / S. Stoykov, K. Rouskov, J. Gergikov, K. Popov// ENS - 2006. Second Scientific Conference with international Participation, Space, Ecology, Nanotechnology, Safety. 14 – 16 June 2006, Varna, Bulgaria. 7 pages. ISSN (Online): 2603-3321.
- MORITZ, R. et al. The Breznik gold prospect, Late Cretaceous Srednegorie belt, Bulgaria: evidence for an epithermal system telescoping a porphyry environment. / Moritz, R., R. Petrunov, **S. Stoykov**, J. Todorov, S. Strashimirov// *SGA meeting, Dublin, August 2007.* 2007. 193-196.
- KAMENOV, B. et al. Petrology of Upper Cretaceous island-arc ore-magmatic centers from Central Srednogorie, Bulgaria: Magma evolution and paths. / Kamenov, B., Yanev, Y., Nedialkov, R., Moritz, R., Peytcheva, I., von Quadt, A., **Stoykov, S.**, & Zartovall/ *Geochem., Mineral., Petrol.*, Sofia, 2007. **45**, 39-77. ISSN 0324-1718.
- STOYKOV, S.** et al. Mineral composition of the Breznik-Burdoto Au Epithermal ore occurrence (Preliminary data). /S. Stoykov, S. Strashimirov. R. Moritz, D. Dimitrov, J. Todorov// *Ann. Univ. Mining and Geol.* 2007. 50/1, 117 – 122. ISSN 1312-1820.
- STOYKOV, S.** et al. Geology, Geochemical composition of prepared bentonite and activated bentonite clay from deposit "Propast – Dobrovoletz", Kurdjali district - applicability in drilling operations. /S. Stoykov, M. Harizanov and V. Zlatanov// *Ann. Univ. Mining and Geol.* 2007. 50/1, 111 – 117. ISSN 1312-1820.
- STOYKOV, S.** et al. Mineral composition of the Breznik-Bardoto Au epithermal ore occurrence (preliminary data). /S. Stoykov, S. Strashimirov, R. Moritz, D. Dimitrov, J. Todorov// *Advances in Regional Geological and Metallogenic Studies in the Carpathians, Balkans, Rhodope Massif and Caucasus (Romania, Serbia, Bulgaria and Georgia).* Bor, Serbia. 2007. 12.
- VON QUADT, A. et al. Porphyry Cu-Au deposits and related magmatism: Timoc zone (Serbia) & Srednogorie zone and Rhodope massif (Bulgaria). /A. von Quadt, V. Cvetkovich, I. Peycheva, **S. Stoykov**, R. Nedialkov, P. Marchev, S. Georgiev, C. Heinrich// *IGMR excursion.* 2008. p. 444.
- TODOROV, I.** et al. Selecting a drilling fluid for mineral exploration – diamond core drilling and planning the mud program for application in the Chelopech Cu – Au Deposit (Bulgaria). /I. Todorov, M. Harizanov, **S. Stoykov**// *Zeszyty Naukowe Politechniki Slaskiej.* 2009. 264 – 269. ISSN 1641-3466.
- SOYKOV, S.** Geology, petrography and geochemistry of the Oligocene acid volcanites outcropping west of Smolian town and their application as building and decoration material. // *Ann. Univ. Mining and Geol.* 2009. 52/1. 133-136. ISSN 1312-1820.
- TODOROV, I. et al. Drilling technology and usage of polymer fluid for mineral exploration diamond core drilling applications in the Chelopech Cu-Au deposit (Bulgaria). /I. Todorov, M. Harizanov, **S. Stoykov** // *Ann. Univ. Mining and Geol.* 2009. 52/1. 189-193. ISSN 1312-1820.
- SOYKOV, S.** Comparative petrology, geochemistry, Sr and Nd isotope characteristics and mineral chemistry of the Late Cretaceous igneous rocks and their ore generation potential in the northern part of the Panagyurishte ore region, Srednogorie magmatic zone. // *Ann. Univ. Mining and Geol.* 2009. 52/1. 127-132. ISSN 1312-1820.
- SOYKOV, S.** Late Cretaceous magmatism and related epithermal and porphyry deposits in the Central and Western Srednogorie zone, Bulgaria. *Recent research activities and new results about the regional geology, the geodynamics and the metallogeny of the Caucasus and the Balkans. Tbilisi and Madneuli, Georgia.* 2009.
- ПОПОВ, П. и др. Геология и металогения на Панагюрския руден район. /П. Попов, Стр. Страшимиров, К. Попов, М. Каназирсик, К. Богданов, Р. Радичев, Ст. Димовски, **С. Стойков**// МГУ "Св. Иван Рилски", София. 2012. с. 228. ISBN 978-954-353-181-3.
- STOYKOV, S.** et al. Enabling Access to Geological Information in Support of GMES. Geohazard Description for Sofia. /S. Stoykov, K. Rouskov, B. Rangelov// D7.1.39. EUROPEAN COMMISSION. EUROPEAN. Research Executive Agency. Checked by (WP Leader): L. Bateson, BGS. 2013. p. 113.

СТОЙКОВ, S. et al. Enabling Access to Geological Information in Support of GMES. Geohazard Description for Varna. /S. Stoykov, K. Rouskov, B. Rangelov, M. Katzarov// D7.1.39. EUROPEAN COMMISSION. EUROPEAN. Research Executive Agency. Checked by (WP Leader): L. Bateson, BGS. 2013. p. 72.

СТРАШИМИРОВ, Стр. и др. Геология и проучване на полезни изкопаеми. /Стр., Страшимиров, **Ст. Стойков**// МГУ "Св. Иван Рилски", София. 2014. с. 114.

RUSKOV, K., et al. 2014. Geohazard description for Sofia in the frame of the PANGEO project. /Ruskov, K., **S. Stoykov** // Journal of mining and geological sciences Part I: Geology and Geophysics. ISSN 1312-1820, 57, 71-76.

PEYCHEVA, I., A. von Quadt, S. Georgiev, S. Stoykov. 2015. Improved U/Pb dating of CA-treated zircons from northern parts of Central Srednogie for accurate geological interpretation. *In: Proc Ann. Sci. Conf., BG, "Geology 2015". 73-74. ISSN 0007-3938.*

СТОЙКОВ, S., Metodieva, A., Katzarov, M., M. Harizanov. 2017. Geological, petrological and geochemical characteristics of the perlitites from the "Schupenata planina" deposit, eastern rhodopes and hosting volcanites. journal of mining and geological sciences, Vol. 60, Part I, Geology and Geophysics, 63-68. ISSN 1312-1820.

СТОЙКОВ, S., Metodieva, A., Katzarov, M., M. Harizanov. 2017. Geological, petrological and geochemical characteristics of the perlitites from the "Schupenata planina" deposit, eastern rhodopes and hosting volcanites. journal of mining and geological sciences, Vol. 60, Part I, Geology and Geophysics, 63-68.

СТОЙКОВ S., Ruskov, K., Katsarov, M. 2020. GeoHazard description for the Varna region in the frame of the Pangeo project. REVIEW OF THE BULGARIAN GEOLOGICAL SOCIETY, vol. 81, part 3, 2020, p. 201–203. ISSN: 0007-3938.

СТОЙКОВ, S., Kutzarov, K., 2022. Mineral composition and technological properties of Kaolin-Quartz deposit 'Esenitzite' Northern Bulgaria. XXII International Congress of the CBGA, Plovdiv, Bulgaria, 7–11 September, 2022, Abstracts ISBN 978-619-91305-4-4, e-ISBN 978-619-91305-5-1.

Kameliya Marinova, Valeri Sachanski, **Stanislav Stoykov**, Radostin Pazderov, Banush Banushev, Maya Vatskicheva, Elitsa Zareva, Martin Dimitrov, Beihan Chaush, Simeon Kostadinov. 2022. Digitalization and creation of 3D 360-degree HDR 4K virtual tour with interactive tags of the Museum of Unique Crystals Ilia Deleff, Museum of Geology and Paleontology, Museum of Mineralogy, Petrology and Mineral Resources and Museum of Physics at the University of Mining and Geology St. Ivan Rilski. СПИСАНИЕ на Българското геологическо дружество = Review of the Bulgarian geological society – София, 1927, ISSN 0007-3938, год. 83, кн. 3, p. 349-350. Impact Factor 0.2.

European Space Agency Atlases

1. A Ground motion information service for Europe. 2009. 33 p.
2. The TerraFirma Atlas: The terrain - motion information service for Europe. 2009. 94 p.

PROJECTS

Potential of Au mineralizations and deposits related to Neogene Intrusive rocks in the Eastern Rhodopes, Bulgaria - Bulgarian Committee of Geology 1994-1995;

Magmatic and geodynamic controls on the Upper Cretaceous and Paleogene ore Au and Cu deposits in the Srednogie belt and the Rhodope Massif, Bulgaria. 7BUPJ062276 - Swiss National Scientific Foundation. – Bulgarian team leader; 1999-2003;

ABCD - GEODE – Geodynamics and Ore Deposits Evolution - ABCD Alpine- Balkan- Carpathians – Dinaride province. European Scientific Foundation, 1999 – 2004;

Ground motion hazard information services in support of policies aimed at saving lives, improving safety and reducing economic loss. GMES – TerraFirma, European Space Agency, **Bulgarian project coordinator**, 2005 -2007;

H3 – 1412 – Magmatism and ore-forming processes in the Upper Cretaceous epithermal and porphyry deposits in the Srednogorie zone (Bulgaria) and Artvin –Bolnisi zone (Georgia) Bulgarian National Scientific Foundation Project leader, 2004 – 2008;

SCOPES - IB7320-111046. Tectonic and magmatic control of the Cretaceous Au and Cu deposits in the Rhodopes and Srednogorie zone (Bulgaria) and Caucasus (Georgia). Swiss National Scientific Foundation, **Bulgarian project coordinator**, 2005 – 2008;

Estimation of vertical ground movement by Active Sensor Satellite Synthetic Aperture Radar Interferometry (InSAR) to protect civil population from Natural Hazards in the Sofia valley. Contract between European Space Agency (TerraFirma) and Mining and Geology University 'St. Ivan Rilski'. - Project leader 2005 – 2010;

PanGeo - Enabling access to geological information in support of GMES, 2011 -2014 Program: FP7-SPACE, FP7-SPACE-2010-.2014. Grant Agreement: 262371;

Erasmus + 2014-2020. Coordinator of the University of Mining and Geology, Sofia, Bulgaria;

Geochemical characteristics of mineral formation processes in area of the Au-Ch the Chelopech epithermal deposit – Bulgaria, - Dundee Recues metals – No 0093, supervisor;

D002 – 89/11.12.2008 – Building up scientific – educational geological – geophysical complex in the Geological and Prospecting faculty at the Mining and Geology University 'St. Ivan Rilski'. Bulgarian National Scientific Foundation, at Ministry of Education and Science. 2008 -;

D002 – 89/13.12.2008 – Indicators of atmospheric acidity and global climate change in the soil (Trace valley example) Bulgarian National Scientific Foundation, at Ministry of Education and Science. 2008 -;

BG051PO001-4.3.04-0041. "Разработване и апробиране на електронните форми на дистанционно обучение в Минно-геоложки университет "Св. Иван Рилски" - София и внедряване на Единна университетска система за дистанционно обучение". 03.12.2012 – 03.12.2014 г. ръководител на проекта.

2016-1-BG01-KA103-023069 -

2017-1-BG01-KA103-035558

2018-1-BG01-KA103-047038 -

2019-1-BG01-KA103-061283 -

PROJECTS OF INDUSTRIAL APPLICATION

PanGeo - Enabling access to geological information in support of GMES, 2011 -2014 Programme: FP7-SPACE, FP7-SPACE-2010-.2014. Grant Agreement: 262371;

- Estimation of vertical ground movement by Active Sensor Satellite Synthetic Aperture Radar Interferometry (InSAR) to protect civil population from Natural Hazards in the Sofia valley;

Estimation of vertical ground movement by Active Sensor Satellite Synthetic Aperture Radar Interferometry (InSAR) to protect civil population from Natural Hazards in the Varna area;

12+ Industrial projects – Geological report on exploration and estimation of reserves and resources of mineral deposits: industrial minerals and rocks (kaolinite, quartz sands, etc.), building materials (aggregates, cement production raw materials, etc.), decoration stones, metals (Cu, Cu-Au deposits) – primary author geologist.