

Curriculum Vitae – Dr. Alexandre Kounov

Personal Details

Family name: Kounov
Place of birth: Sofia, Bulgaria
Nationality: Bulgarian, French

First name: Alexandre
Date of birth: 15 March, 1968
Marital status: Married

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Academic career

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| Oct. 2013 - present | Adjunct Privatdozent (Associate professor) at the Department of Environmental Sciences, Research Group Geology and Paleontology, University of Basel. |
| Oct. 2005 - Oct. 2011: | Oberassistent (Assistant professor) at the Institute of Geology and Paleontology, University of Basel, Switzerland |
| Jan. 2004 - Oct. 2005: | Postdoctoral Fellowship at Department of Geological Sciences, University of Cape Town, South Africa |

Education

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| Feb. 1998 - Dec. 2002: | Postgraduate studies towards a Ph.D. (Earth Sciences) at the Swiss Federal Institute of Technology (ETH), Institute of Geology, Zürich. Thesis title: "Thermotectonic evolution of Kraishte, western Bulgaria". Supervised by Profs. J-P. Burg, D. Bernoulli and Dr. D. Seward. |
| Sept. 1990 - June 1997: | M.Sc. in Geology; specialization: Tectonics and Structural Geology at Department of Geology and Paleontology, Sofia University "St. Kliment Ohridski", Bulgaria. |

Subject of the Term Paper: "Origin and development of the metamorphic core complexes and detachment faults and the role of magmatism during formation of the system".

Subject of the Masters Thesis: "Character of deformation in the periphery and the frame of the Sakar pluton"

Sept. 1982 - June 1985: "St., St. Kiril and Methody" high school, Sofia, Bulgaria.

Teaching responsibilities

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| Oct. 2011 - present | Courses taught at the University of Basel : <ul style="list-style-type: none">- Low-temperature thermochronology - Short course. |
| Oct. 2005 - Oct. 2011 | Courses taught at the University of Basel : <ul style="list-style-type: none">- Kartenlesen und Profilzeichnen (Map interpretation and profile construction) - Praktikum.- System Erde (Earth System) I and II - Exercises.- Low-temperature thermochronology - Short course. Field courses: <ul style="list-style-type: none">- "Geländekurs Strukturgeologie, Locarno", (2006) 5 days.- "Geländekurs Jura", 5 days, organised with Profs. C. Alewell, P. Nagel, E. Parlow, R. Schneider-Sliwa and Dr. P. Jordan.- System Erde Entwicklung und Dynamik Exkursion – "Landskron und Blauen-Ketten südlich von Basel", 1 day.- "Jura und Neotektonik im Raum Basel", 1 day. |
| Jan. 2004 - Oct. 2005 | University of Cape Town : <ul style="list-style-type: none">- Structural geology course (GEO2044), 5 lectures and 3 practicals (2005).- Assistant for the Structural geology course taught by Dr. G. Viola (2004). |
| Feb. 1998 - May 2003 | ETH Zurich : <ul style="list-style-type: none">- Field instructor: Teaching assistant at numerous field courses organized by the ETH in different geological settings.- Laboratories responsibilities: Responsible for the fission-track laboratory including instruction of undergraduate students as well as new PhD students and visitors. |

Research exchange periods

Aug. 2005 – Oct. 2005: Exchange period at the GFZ, Potsdam (Germany) in the Section 4.2, Inorganic and Isotope Geochemistry to cooperate on a joint project “Inkaba ye Africa, Epeirogenic history of Southern Africa: tracking 200 Ma of uplift, exhumation, erosion and influence on climate” with Dr. Samuel Niedermann.

Research activity

Current cooperative research projects

- Thermochronological evolution of the Upper Cretaceous porphyry-epithermal systems in the Panagyurishte segment of Central Srednogorie zone. *Together with: Dr. Eleonora Balkanska (University of Sofia, Bulgaria), Prof. Irena Peytcheva and Dr. Stoyan Georgiev (Geology institute, BAN), Milorad Antić (Belgrade University), Prof. Takahiro Tagami (Kyoto University), Dr. Shigeru Sueoka (Japan Atomic Energy Agency).*

Past research projects

- Thermotectonic evolution of the Kraishte area (SW Bulgaria)
- Thermochronology of the South Caribbean plate Boundary Zone: Dutch Antilles and the Sierra Nevada de Santa Marta, Colombia
- Tectonic evolution of the Apuseni Mountains (Romania)
- Tisza plate and its role in the framework of the tectonic evolution of the Alps, Dinarides and Carpathians
- Structural evolution and neotectonics of the Rhine-Bresse Transfer Zone
- Low temperature thermochronology of the northern Aegean Rhodope Massif
- Low-temperature thermochronological constraints on the evolution of the Orange River drainage system and its surrounding relief (Augrabies Falls area).
- Improved models for seismicity in South Africa and Namibia; improved seismic risk assessments for key point facilities.
- Epeirogenic history of Southern Africa: tracking 200 Ma of uplift, exhumation, erosion and influence on climate. “Inkaba ye Africa” Joint Initiative of the German and South African Earth Science Communities.
- Serbo-Macedonian massif, an enigmatic terrain within the Eastern Mediterranean Alpine orogen.

- Structure and geodynamic evolution of Central Stara Planina Mountain.
- Elatsite ore field and its relationship with neighbouring ore deposits and ore manifestations: comprehensive mineralogical, petrological, geochemical and structural studies using modern analytical methods.

Academic interests

- Tectonic evolution of the Eastern Mediterranean Alpine orogen.
- Evolution of the southern African passive margin via thermochronological (fission-track and cosmogenic ^3He and ^{21}Ne nuclides surface dating methods) and paleostress analyses.
- Geomorphological evolution and paleorelief reconstruction of the southwestern margin of the African continent.

Successful fund raising

- March 2010 Swiss national Science Foundation, grant number 200021_129953. Project “Serbo-Macedonian massif, an enigmatic terrain within the Eastern Mediterranean Alpine orogen”. Value: 130 242 CHF (1 PhD student).
- Sept. 2012 Swiss national Science Foundation, grant number 200020_144343. Prolongation of project “Serbo-Macedonian massif, an enigmatic terrain within the Eastern Mediterranean Alpine orogen”. Value: 131 734 CHF (1 PhD student).

Supervised theses

Milorad Antić, 2010 – 2015. “Serbo-Macedonian massif, an enigmatic terrain within the Eastern Mediterranean Alpine orogen”. Supervisor: Dr. Alexandre Kounov and Prof. Andreas Wetzel, **PhD Thesis**, Basel University, Switzerland.

Eleonora Balkanska, 2007 – 2011. “The Botev Vrah thrust - structure and mechanism of emplacement”. Supervisors: Assoc. Prof. Ianko Gerdjikov and Dr. Alexandre Kounov, **PhD Thesis**, Sofia University, Bulgaria.

Eliane Wüthrich, 2005 – 2009. “The low temperature thermochronology of an exhuming supra-subduction orogenic system - an application to the northern Aegean Rhodope massif”. Supervisors: Prof. Jean-Pierre Burg, Dr. Diane Seward and Dr. Alexandre Kounov, **PhD Thesis**, ETH Zurich, Switzerland.

Tebatso Matlala, 2004: “A new kinematic model for the Worcester area, Western Cape, South Africa”. Supervisors: Dr. Giulio Viola and Dr. Alexandre Kounov, **Honours Thesis**,

University of Cape Town, South Africa.

Reviewer

- Acted as a reviewer for the following journals:

Tectonics, Tectonophysics, Earth and Planetary Science Letters, Terra Nova, Journal of Geophysical Research - Solid Earth, Lithosphere, International Journal of Earth Sciences, Swiss Journal of Geosciences, Global and Planetary Change, G-cubed (Geochemistry, Geophysics, Geosystems), Geodynamics, Geosphere, Journal of African Earth Sciences, Geologica Carpathica, Geologica Balcanica, Earth Surface Processes and Landforms, Journal of the Geological Society of India.

- Research proposal reviewer for the German Research Foundation (DFG).
- Reviewer of PhD theses for the following institutions:

Indian Institute of Technology, Bombay, India; University of Innsbruck, Austria.

Membership and varia

Member of the Bulgarian Geological Society.

Member of the Swiss Geological Society.

Member of the European Geosciences Union

President of the “Club of the young ecologist” Bulgaria (1994 - 1995).

Languages

Bulgarian, French, English, Russian, basic German, communicative Serbian and Croat

Publication list

Refereed publications

(Calculated *h*-index in Scopus = 14)

2018

27. **Kounov, A.**, Gerdjikov, I., Vangelov, D., Balkanska, E., Lazarova, A., Georgiev, S. Blunt, E. and Stockli, D. (2018). First thermochronological constraints on the Cenozoic extension along the Balkan Fold-Thrust Belt (Central Stara Planina Mountain, Bulgaria). *International Journal of Earth Sciences*, 107:1515–1538. doi: 10.1007/s00531-017-1555-9

2017

26. Antić, M.D., **Kounov, A.**, Triviić, B., Spikings, R. and Wetzel, A. (2017). Evidence of Variscan and Alpine tectonics in the structural and thermochronological record of the

central Serbo-Macedonian Massif (south-eastern Serbia). *International Journal of Earth Sciences*, 106, 1665-1692. doi: 10.1007/s00531-016-1380-6

2016

25. Vangelov, D., Pavlova, M., Gerdjikov, I. and **Kounov, A.** (2016). Timok fault and Tertiary strike-slip tectonics in part of western Bulgaria. *Annual of the University of Mining and Geology "St Ivan Rilski"*, 59, 112-117.
24. Antić, M.D., **Kounov, A.**, Trivić, B., Wetzel A., Peytcheva, I. and von Quadt, A. (2016). Alpine thermal events in the central Serbo-Macedonian Massif (southeastern Serbia). *International Journal of Earth Sciences*, 105, 1485-1505. doi: 10.1007/s00531-015-1266-z
23. Antić, M., Peytcheva, I., von Quadt, A., **Kounov, A.**, Trivić, B., Serafimovski, T., Tasev, G., Gerdjikov, I. and Wetzel, A. (2016). Pre-Alpine evolution of a segment of the North-Gondwanan margin: Geochronological and geochemical evidence from the central Serbo-Macedonian Massif. *Gondwana Research*, 36, 523-544. doi:10.1016/j.gr.2015.07.020

2015

22. **Kounov, A.**, Niedermann, S., de Wit, M.J., Codilean, A.T., Viola, G., Andreoli, M. and Christl, M. (2015). Cosmogenic ^{21}Ne and ^{10}Be reveal a more than 2 Ma alluvial fan flanking the Cape Mountains, South Africa. *South African Journal of Geology*, 118(2), 129-144.
21. **Kounov, A.**, Wüthrich, E., Seward, D., Burg, J-P. and Stockli D. (2015). Low-temperature constraints on the Cenozoic thermal evolution of the Southern Rhodope Core Complex (Northern Greece). *International Journal of Earth Sciences*, 104, 1337-1352.

2013

20. Vangelov, D., Gerdjikov, I., **Kounov, A.** and Lazarova, A. (2013). The Balkan Fold-Thrust Belt: an overview of the main features. *Geologica Balcanica*, 42, 29–47.
19. Gerdjikov, I., Lazarova, A., **Kounov, A.** and Vangelov, D. (2013). High-grade metamorphic complexes in Bulgaria. *Annual of the University of Mining and Geology "St. Ivan Rilski" Sofia, Part I, Geology and Geophysics*, 56, 47–52.
18. **Kounov, A.**, Viola, G., Dunkl, I. and Frimmel, H.E. (2013). Southern African perspectives on the long-term morpho-tectonic evolution of cratonic interiors. *Tectonophysics*, 601, 177–191.
17. **Kounov, A.** and Schmid, S.M. (2013). Fission-track constraints on the thermal and tectonic evolution of the Apuseni Mountains (Romania). *International Journal of Earth Sciences*, 102, 207–233.

2012

16. **Kounov, A.**, Graf, J., von Quadt, A., Bernoulli, D., Burg, J-P., Seward, D., Ivanov, Z. and Fanning, M. (2012). Evidence for a "Cadomian" ophiolite and magmatic-arc complex in SW Bulgaria. *Precambrian Research*, 212–213, 275–295.
15. Viola, G., **Kounov, A.**, Andreoli, M.A. and Mattila, J. (2012). Brittle tectonic evolution along the western margin of South Africa: more than 500 Myr of continued reactivation. *Tectonophysics*, 514–517, 93–114.

2011

14. **Kounov, A.**, Burg, J-P., Bernoulli, D., Seward, D., Ivanov, Z., Dimov, D. and Gerdjikov, I. (2011). Paleostress analysis of Cenozoic faulting in the Kraishte area, SW Bulgaria. *Journal of Structural Geology*, 33, 859–874.
13. Schefer, S., Cvetković, V., Fügenschuh, B., **Kounov, A.**, Ovtcharova, M., Schaltegger, U. and Schmid, S. (2011). Cenozoic granitoids in the Dinarides of southern Serbia: age of intrusion, isotope geochemistry, exhumation history and significance for the geodynamic evolution of the Balkan Peninsula. *International Journal of Earth Sciences*. 100, 1181–1206.

2010

12. Ustaszewski, K., **Kounov, A.**, Schmid, S., Schaltegger, U., Frank W., Krenn, E. and Fügenschuh, B. (2010). Evolution of the Adria-Europe plate boundary in the northern Dinarides: From continent-continent collision to back-arc extension. *Tectonics*, 29, TC6017.
11. van der Lelij, R., Spikings, R., Kerr, A., **Kounov, A.**, Cosca, M., Chew, D. and Villagomez, D. (2010). Thermochronology and Tectonics of the Leeward Antilles: evolution of the Southern Caribbean Plate Boundary Zone. *Tectonics*, 29, TC6003.
10. Gerdjikov, I., Lazarova, A., Balkanska, E., Bonev, K., Vangelov, D., Dimov, D. and **Kounov, A.** (2010). A new model for the pre-Permian basement of the Central Stara Planina Mountain. *Comptes rendus de l'Académie Bulgare des Sciences, Geology*, 63(8), 1169–1176.
9. **Kounov, A.**, Seward, D., Burg, J-P., Bernoulli, D., Ivanov, Z. and Handler, R. (2010). Geochronological and structural constraints on the Cretaceous thermotectonic evolution of the Kraishte zone (Western Bulgaria). *Tectonics*, 29, TC2002.

2009

8. **Kounov, A.**, Viola, G., de Wit, M.J. and Andreoli, M. (2009). Denudation along the Atlantic passive margin: New insights from apatite fission-track analysis on the western coast of South Africa. In: Lisker, F., Ventura, B. and Glasmacher, U. (eds.): Thermochronological methods: from paleotemperature constraints to landscape evolution models. *Geological Society, London, Special Publications*, 324, 287–306.

7. Madritsch, H., **Kounov, A.**, Schmid, S.M. and Fabbri, O. (2009). Multiple fault reactivations within the intra-continental Rhine-Bresse Transfer Zone (La Serre Horst, Eastern France). *Tectonophysics*, 471, 297–318.
6. Ustaszewski, K., Schmid, S., Lugović, B., Schuster, R., Schaltegger, U., Fügenschuh, B., **Kounov, A.**, Bernoulli, D., Hottinger, L. and Schefer, S. (2009). Late Cretaceous intra-oceanic magmatism in the internal Dinarides (northern Bosnia and Herzegovina): Implications for the collision of the Adriatic and European plates. *Lithos, special issue "Balkan Ophiolites"*, A. Robertson, S. Karamata, K. Resimić-Šarić (Eds.), 108, 1-4, 106–125.

2008

5. **Kounov, A.**, Viola, G., de Wit, M.J. and Andreoli, M. (2008). A Mid Cretaceous paleo-Karoo River valley across the Knersvlakte plain (northwestern coast of South Africa): Evidence from apatite fission-track analysis. *South African Journal of Geology*, 111, 409–420.

2007

4. **Kounov, A.**, Niedermann, S., de Wit, M.J., Viola, G., Andreoli, M. and Erzinger, J. (2007). Present denudation rates at selected sections of the South African escarpment and the elevated continental interior based on cosmogenic ^3He and ^{21}Ne . *South African Journal of Geology*, 110, 235–248.

2006

3. Schlunegger, F., Zeilinger, G., **Kounov, A.**, Kober, F. and Hüsler, B. (2006). Scale of relief growth in the forearc of the Andes of Northern Chile (Arica latitude, 18°S). *Terra Nova*, 18, 3, 217–223.

2004

2. **Kounov, A.**, Seward, D., Bernoulli, D., Burg, J-P. and Ivanov, Z. (2004). Thermotectonic evolution of an extensional dome: the Cenozoic Osogovo-Lisets core complex (Kraishte zone, western Bulgaria). *International Journal of Earth Sciences*, 93, 1008–1024.

2001

1. Ivanov, Z., Gerdjikov, I. and **Kounov, A.** (2001). New data and considerations about the structure and tectonic evolution of the Sakar region, Southeast Bulgaria. *Annuaire de l'Université de Sofia, Faculté de Géologie et Géographie*, 1, 91, 35–80.

Publications in journals without review procedure:

- Niedermann, S., Decker, J., **Kounov, A.** and de Wit, M. (2014). Die Erosion des südafrikanischen Hochplateaus : Folgerungen für Tektonik, Klimageschichte und die

Nachhaltigkeit der Bodenbewirtschaftung. *System Erde, GFZ-Journal*, 4, 32-37.
DOI: <http://doi.org/10.2312/GFZ.syserde.04.02.5>

Brian Horsfield, Maarten de Wit sowie weitere Autoren der Inkaba ye Africa Arbeitsgruppe (Südafrika: Ludwig Combrinck, John Compton, **Alexandre Kounov**, Justine Tinker, Marian Tredoux. Deutschland: Gabriele Uenzelmann-Neben, Sönke Neben, Karsten Gohl, Wilfried Jokat, Rolf Emmermann, Mioara Manda, Rolando di Primio, Heinz Wilkes, Oliver Ritter, Ute Weckmann, Michael Weber, Georg Dresen, Jörg Erzinger, Bob Trumbull, Hedi Oberhänsli). 2005. „Inkaba ye Africa“ – dem dynamischen System Erde auf der Spur. Zweijahresbericht 2004/2005, GeoForschungsZentrum Potsdam, 47–53. <http://gfzpublic.gfz-potsdam.de/pubman/item/escidoc:234465>

Seward, D., Spikings, R., Viola, G., **Kounov, A.**, Ruiz, G.M.H. and Naeser, N. (2000). Etch times and operator variation for spontaneous track length measurements in apatites: an intra-laboratory check. *OnTrack*, 10 (21), 16–21. https://utexas-ir.tdl.org/bitstream/handle/2152/30058/OnTrack21_Dec2000.pdf?sequence=3

Invited talks:

January 2017, Geneva University: “How stable are the stable cratons? An example from South Africa”.

January 2011, Göttingen University: “Paleo-geomorphology. Dating topography and elucidate relief evolution using low-temperature thermochronometers. An example from South Africa”.

April 2009, University of Cape Town, South Africa: “Denudation along the Atlantic passive margin: New insights from apatite fission-track and cosmogenic nuclides analysis on the Western coast of South Africa”.

May 2007, Potsdam University, Germany: “Denudation along the Atlantic passive margin: New insights from apatite fission-track and cosmogenic nuclides analysis on the Western coast of South Africa”.

August 2004, GFZ Potsdam, Germany: “Thermotectonic evolution of Kraishte area, Western Bulgaria. From early Cretaceous compression to Cenozoic extension”.

October 2000, Sofia University, Bulgaria: “Fission-track method and its application”.

Conference abstracts

Peytcheva, I., Von Quadt, A., Heinrich, C., Loretz, M., Georgiev, S., **Kounov, A.**, Gerdjikov, I., Guillong M. (2017). Timing and scales of magmatic-hydrothermal processes: what we learned from the studies of porphyry-Cu-(Mo-Au) systems. *Bulgarian Geological Society, National Conference with international participation, Geosciences 2017 Proceedings*, 63–64.

- Peytcheva, I., Loretz, M., Von Quadt, A., Georgiev, S., **Kounov, A.**, Gerdjikov, I., Guillong M. (2017). Time scale of ore deposits: constraints from U-Pb zircon dating, thermochronology and Sr isotope geochemistry of the porphyry-Cu-(MoAu) system in Elatsite, Bulgaria. "Magmatism of the Earth and related strategic metal deposits". Proceedings of XXXIV International Conference. Miass, 4-9 August 2017. Editors V.A. Zaitsev and V.N. Ermolaeva.-M, GEOKHI RAS, 2017, 175–179.
- Kounov, A.**, Gerdjikov, I., and Vangelov, D. Balkanska, E., Lazarova, A., Georgiev, S and Stockli, D. (2016). First thermochronological constraints on the Cenozoic extension along the Balkan Fold-Thrust Belt (Central Stara Planina Mountain) and its relation to the South Balkan geological evolution. *Bulgarian Geological Society, National Conference with international participation, Geosciences 2016* Proceedings, 91–92.
- Balkanska, E., Tagami, T., Sueoka, S., Georgiev, S., Kounov, A., Hasebe, N., Tamura, A. and Arai S. (2015). Fission-track dating using LA-ICP-MS – a case study of tectonic structures from Western Balkanides, Bulgaria. *Bulgarian Geological Society, National Conference with international participation, Geosciences 2015* Proceedings, 85–86.
- Balkanska, E., Kounov, A. and Gerdjikov, I. (2015). Fission-track dating applied for reconstruction of tectonic processes in the Balkanides. - *The 31st Workshop on ESR Applied Metrology, Yamagata, Japan. Advances in ESR Applications*, Volume 31, p. 17.
- Gerdjikov, I., **Kounov, A.** and Vangelov, D. (2014). The Paleozoic Balkan terrane: a re-evaluation. *Bulgarian Geological Society, National Conference with international participation, Geosciences 2014* Proceedings, 43–44.
- Antić M., Peytcheva I., von Quadt A., **Kounov A.**, Trivić B., Serafimovski T., Tasev G., and Gerdjikov I. (2014) Geochronological and geochemical studies on crystalline rocks from the central Serbo-Macedonian massif with implications on its pre-Alpine evolution. *XX Congress of Carpathian Balkan Geological Association, Tirana, Albania, 24-26 September 2014*, Proceedings Volume 1, 195. doi:10.13140/2.1.2400.1280
- Antić M., **Kounov A.**, Trivić B. (2014) Low-temperature evolution of the Serbo-Macedonian massif (SE Serbia): evidence from Ap and Zr fission track analysis. *XX Congress of Carpathian Balkan Geological Association, Tirana, Albania, 24-26 September 2014*, Proceedings Volume 1, 135. doi:10.13140/2.1.4759.4242
- Antić M., **Kounov A.**, Trivić B. (2014) Low-temperature evolution of the Serbo-Macedonian massif (SE Serbia): evidence from Ap and Zr fission-track analysis. *Thermo2014 – 14th International conference on Thermochronology, Chamonix, France, 8-12 September 2014*, Abstract Volume, S4-12. doi:10.13140/2.1.1220.4800
- Vangelov, D., Gerdjikov, I., **Kounov, A.**, and Sirakov, V. (2013). Etropole "nappe" or back-thrust/pop-up structure, timing and mechanism of formation, C–W Bulgaria. *Bulgarian Geological Society, National Conference with international participation, Geosciences 2013* Proceedings, 97–98.

- Gerdjikov, I., **Kounov, A.**, Vangelov, D., and Lazarova, A. (2013). Deciphering the Variscan orogeny record in Bulgaria. *Bulgarian Geological Society, National Conference with international participation, Geosciences 2013 Proceedings*, 91–92.
- Kounov, A.**, Viola, G., Andreoli, M.A.G. and Mattila, J. (2013). Insights into processes of fault reactivation in the brittle regime from the structural analysis of fracture-saturated crystalline basements: an example from Namaqualand, South Africa. EGU General Assembly 2013, Vienna, Austria, Abstracts, Vol. 16, EGU2013-13595, 2013.
- Antić, M., Peytcheva I., von Quadt A., **Kounov A.**, Trivic B., Serafimovski T., Tasev G., Gerdjikov I. (2012) More than 500 Ma of magmatic and tectonic evolution of the Serbo-Macedonian Massif (south Serbia, southwest Bulgaria and east Macedonia). Diversity of copper and gold deposits in the Eastern Europe Balkan, Carpathian and Rhodopean belts: tectonic, magmatic and geochronological investigations, SCOPES Project - Conference and Field Trip: Macedonia and Serbia, Štip, Macedonia
- Antić, M., Peytcheva I., von Quadt A., **Kounov A.**, Trivic B., Serafimovski T., Tasev G., Gerdjikov I. (2012). Protholith age and geochemistry of magmatic rocks from the Serbo-Macedonian massif (south Serbia, southwest Bulgaria and east Macedonia). EGU General Assembly 2012, Vienna, Austria, Abstracts, Vol. 14, EGU2012-5638-1, 2012.
- Antić, M., **Kounov A.**, Trivic B., Peytcheva I., von Quadt A., Gerdjikov I., Serafimovski T., Tasev G. (2011). Unravelling of continued magmatic activity along the Serbo-Macedonian massif since the Precambrian (south Serbia, southwest Bulgaria and Macedonia). 9th Swiss Geoscience Meeting, Zürich, Switzerland, 11-13 November 2011, Abstract Volume 1. Structural Geology, Tectonics and Geodynamics, 13.
- Antić, M., **Kounov, A.**, Trivic, B., Peytcheva, I., von Quadt, A., Gerdjikov, I., Serafimovski, T. and Tasev, G. (2011). Preliminary structural and geochemical data from the Serbo-Macedonian Massif (South Serbia, Southwest Bulgaria and Macedonia). EGU General Assembly 2011, Vienna, Austria, Abstracts, Vol. 13, EGU2011-9202-1, 2011.
- Kounov, A.** and Schmid, S.M. (2011). Alpine thermotectonic evolution of the Apuseni Mountains (Romania). EGU General Assembly 2011, Vienna, Austria, Abstracts, Vol. 13, EGU2011-2580, 2011.
- Viola, G., **Kounov, A.**, and Andreoli, M.A.G. (2011). Unravelling 500 Ma of brittle deformational history in Namaqualand. 23rd Colloquium of African Geology (CAG23), University of Johannesburg, Johannesburg, South Africa, January 10-14.
- Andreoli, M.A.G., Viola, G., **Kounov, A.**, Heidbach, O., Scheepers, J., Stengel, I., Clarke, C.E. and Netterberg, F. (2011). Seismic risk and the South African nuclear program: Neotectonic insights. 23rd Colloquium of African Geology (CAG23), University of Johannesburg, Johannesburg, South Africa, January 10-14.

- Kounov, A.** and Schmid, S.M. (2010). Fission-track constraints on the thermotectonic evolution of the Apuseni Mountains (Romania). 8th Swiss Geoscience Meeting 2010, Fribourg, 19th – 20th November 2010, Switzerland, Abstract Volume, 30-31.
- Kounov, A.** and Schmid, S.M. (2010). Fission-track constraints on the thermotectonic evolution of the Apuseni Mountains (Romania). XIX Congress of the Carpathian Balkan Geological Association, Thessaloniki, Greece, 23-26 September 2010, Abstract Volume, 209-210.
- van der Lelij, R., Spikings, R., Kerr, A., **Kounov, A.**, Cosca, M. and Chew, D. (2010). Thermochronology and Tectonics of the Leeward Antilles: evolution of the Southern Caribbean Plate Boundary Zone and accretion of the Bonaire Block. EGU General Assembly 2010, Vienna, Austria, Geophysical Research Abstracts, Vol. 12, EGU2010-2649.
- Ustaszewski, K., Frank W., Fügenschuh, B., **Kounov, A.**, Krenn, E., Schaltegger, U. and Schmid, S.M. (2010). Evolution of the Adria–Europe plate boundary in the northern Dinarides: from continent-continent collision to back-arc extension. EGU General Assembly 2010, Vienna, Austria, Geophysical Research Abstracts, Vol. 12, EGU2010-5619.
- Andreoli, M., Viola, G., **Kounov, A.**, Scheepers, J., Heidbach, O. and Stengel, I. (2009). History of stress at Vaalputs, Namaqualand, South Africa: evidence for Mid-Cretaceous “Wegener-type Orogeny” in western southern Africa. 11th SAGA Biennial Technical Meeting and Exhibition Swaziland, 16-18 September 2009, Abstract Volume, 515-520.
- van der Lelij, R., Spikings, R., **Kounov, A.**, Cosca, M. and Chew, D. (2009). Thermal and tectonic history of the Leeward Antilles: Aruba and Bonaire. Multi-disciplinary workshop, Circum-Caribbean and North Andean Tectonomagmatic Evolution: Impacts on Palaeoclimate and Resource Formation, Cardiff University, Wales, UK 2-3 September 2009, p. 13 (abstract only).
- Kounov, A.**, Viola, G., de Wit, M., Andreoli, M. and Niedermann, S. (2008). Tectonic evolution and denudation of the Atlantic passive margin: New insights from apatite fission-track analysis on the western coast of South Africa. 6th Swiss Geoscience Meeting 2008, Lugano, Switzerland, Abstract Volume, 37-38.
- Andreoli, M., Scheepers, J., Stengel, I., Cloete, M., Viola, G., **Kounov, A.**, McCarthy, T. and Woodborne, S. (2007). The Superplume, the Superswell and Neotectonics of southern Africa: insights from Namaqualand, South Africa. Africa Array Workshop, 17-18 July 2007, University of the Witwatersrand, Johannesburg (abstract only).
- Ustaszewski, K., Schmid, S. M., Lugovic, B., Schuster, R., Schaltegger, U., Fügenschuh, B., **Kounov, A.**, Bernoulli, D., Hottinger, L. and Schefer, S. (2007). The Late Cretaceous supra-subduction magmatism of North Kozara (northern Bosnia and Herzegovina): implications for the Cretaceous to Paleogene collisional history

between Tisza and the Dinarides. EGU General Assembly 2007, Vienna, Austria, Abstracts, Vol. 9, 03659, 2007, SRef-ID: 1607-7962/gra/EGU2007-A-03659.

Kounov, A., Viola, G., Niedermann, S., de Wit, M., Andreoli, M. and Erzinger, J. (2007). Mesozoic-Cenozoic denudation history of the Atlantic passive margin and its hinterland along the western coast of South Africa. EGU General Assembly 2007, Vienna, Austria, Abstracts, Vol. 9, 03993, 2007, SRef-ID: 1607-7962/gra/EGU2007-A-03993.

Andreoli, M., Scheepers, J., Stengel, I., Viola, G., **Kounov, A.**, Cloete, M. and McCarthy, T.S. (2007). Intraplate stress, seismicity and neotectonics in western southern Africa: a link to the African Superplume? In Linzer, L.M. and Vogt, D. (2007) [eds.]: Proceedings of the 10th SAGA Biennial Conference and Exhibition "Making Waves". Wild Coast Sun, South Africa, October 2007.

Andreoli, M., Scheepers, J., Viola, G., **Kounov, A.** and Stengel, I. (2007). Seismicity and Cenozoic tectonic instability in the Vaalputs area, Namaqualand: evidence for secular instability in the Wegener Stress Anomaly: Seismology Workshop 2007 Neotectonics and Mining Seismology- is a relationship possible? 8th May, Council for Geoscience, Silverton, Pretoria, p. 5 (abstract only).

Kounov, A., Seward, D., Bernoulli, D., Burg, J.-P., and Ivanov, Z. (2006). Evidences for Cadomian ocean floor and island arc complex in SW Bulgaria. Mesozoic Ophiolite Belts of the Northern Part of the Balkan Peninsula, Field workshop Serbia and Montenegro – Bosnia and Herzegovina, Belgrade – Banja Luka May 31 – June 06, 2006.

Kounov, A., Niedermann, S., Viola, G., Andreoli, M., Erzinger, J. and de Wit, M. (2006). Mesozoic-Cenozoic denudation along the Atlantic passive margin and its hinterland, with implications for the origin of the great escarpment. 4th Inkaba ye Africa scientific workshop, GFZ-Potsdam, Germany 01-03 June, Abstract volume, p. 26

Kounov, A., Viola, G., Andreoli, M., de Wit, M., Niedermann, S. and Erzinger, J. (2005). Denudation of the Atlantic passive margin. Preliminary fission-track results from west coast of South Africa. Inkaba ye Africa workshop in Cape Town, 29 May – 1 June 2005

Zeilinger G., Schlunegger F., **Kounov A.** and Simpson G. (2005) The Rio La Paz drainage system and its effect on the Altiplano. Sediment 05, Gwatt, Switzerland, July 18-20, 2005

Kounov, A., Seward, D., Bernoulli, D., Burg, J.-P. and Ivanov, Z. (2004). Low-temperature thermotectonic evolution of an extensional dome: the example of the Cenozoic Osogovo-Lisets core complex, Western Bulgaria. "10th International Conference on Fission Track Dating and Thermochronology", Amsterdam, Netherlands. Abstract volume, p. 99

- Kounov, A.,** Viola, G., Niedermann, S., de Wit, M.J., Andreoli, M. and J. Erzinger, M. (2004) Epeirogenic history of Southern Africa: tracking 200 Ma of uplift, exhumation, erosion and influence on climate - A New International Research Program. "10th International Conference on Fission Track Dating and Thermochronology", Amsterdam, Netherlands. Abstract volume, p. 80
- Kounov, A.,** Seward, D., Bernoulli, D., Burg, J-P. and Ivanov, Z. (2004). Thermotectonic evolution of a metamorphic core complex: example from the Cenozoic Osogovo-Lisets Complex, Western Bulgaria. Geoscience Africa 2004 conference. University of Witwatersrand, Johannesburg, South Africa. 12 – 16 July 2004. Abstract volume, 357-358.
- Kounov, A.,** Seward, D., Bernoulli, D., Burg, J-P. and Ivanov, Z. (2002). Timing of Cenozoic extension in the Kraishte region (SW Bulgaria): evidence from fission track analysis. In "Fission-track analysis: theory and applications". Eds. Luis Barbero and Ferrán Colombo, GEOTEMAS 4, 107-109.
- Kounov, A.,** Seward, D., Bernoulli, D., Burg, J-P. and Ivanov, Z. (2001). Timing of Cenozoic extension in the Kraishte region (SW Bulgaria): evidence from fission track analysis. "Geodynamic hazards, Late Alpine tectonics and neotectonics in Rhodope Region. Geologica Balcanica Special issue: Abstracts of the contributions. 31. 1-2. 112-113.
- Kounov, A.,** Seward, D., Bernoulli, D., Burg, J-P. and Ivanov, Z. (2001). Timing of Cenozoic extension in the Kraishte region (SW Bulgaria): evidence from fission track analysis. EUG 11, Strasbourg, France, Journal of Conference Abstracts, EUG XI Conference. Abstract volume. 6. 1. 314.