



# Anatoly Tsyplenkov

JUNIOR RESEARCH FELLOW

Faculty of Geography, Lomonosov Moscow State University

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## Academic Career

### Lomonosov Moscow State University

JUNIOR RESEARCHER

Faculty of Geography

Jan. 2020 – ...

### Lomonosov Moscow State University

PH.D. IN GEOGRAPHIC SCIENCES

Faculty of Geography

2015 – 2019

- Title thesis: Suspended sediment load formation in small mountain river basins: general patterns and regional features (defended: 19 Dec 2019)
- Supervisor: Prof. D.Sc. Valentin Golosov

### Lomonosov Moscow State University

SPECIALIST IN HYDROLOGY (MASTER EQUIVALENT)

Faculty of Geography

2010-2015

- Title thesis: Conditions of sediment load formation in small river basins of different mountain regions (defended: 19 May 2015)
- Supervisor: Prof. D.Sc. Valentin Golosov

## Main research interests and expertise

- Mountain fluvial geomorphology
- Sediment budget and dynamics
- Soil erosion modeling
- Designing and maintaining large databases of measurements on various geomorphic processes
- Quantifying and understanding geomorphic processes at catchment and regional scale
- Designing and conducting fieldwork campaigns (including in Russia (Caucasus, Kamchatka, Chukotka, etc.), Sweden, Italy)

## Conducted study visits (selection)

### University of Liege (Belgium), Faculty of Sciences, Department of Geography

INVESTIGATING THE ROLE AND RELATIVE IMPORTANCE OF DIFFERENT SEDIMENT SOURCES IN THE PROGLACIAL AREAS OF NORTH

CAUCASUS

Jan. – Apr. 2018

- ERASMUS+ PhD programm
- Hosts: Prof. Dr. Matthias Vanmaercke

### Palermo University (Italy), Dipartimento di Scienze della Terra e del Mare

MODELING RILL EROSION AND ITS CONTRIBUTION TO CATCHMENT SEDIMENT YIELD IN THE SICILY

Oct. 2016

- Hosts: Prof. Dr. Christian Conoscenti

### Tubingen University (Germany), Faculty of Sciences, Department of Geoscience

WORKING FOR THE PEOPLE MARIE CURIE ACTIONS INTERNATIONAL RESEARCH STAFF EXCHANGE SCHEME CALL:

FP7PPEOPLE-2012-IRSES «FLUVIAL PROCESSES AND EROSION DYNAMICS IN EUROPEAN RIVER SYSTEMS: ECOLOGICAL EFFECTS

Sep. – Oct. 2015

OF CLIMATE CHANGE AND HUMAN ACTIVITIES»

- Hosts: Prof. Dr. Michael Maerker, Prof. Dr. Volker Hochschild

## Publication statistics

- Co-author of 17 peer-reviewed articles, book chapters, and proceedings
- Around 30 contributions to conferences (excluding full proceedings)
- Around 61 citations over the past 5 years, current h-index: 5
- Info and an overview: [Google Scholar](#)

## Other information

- Completed the basic educational programme of postgraduate academic and pedagogical training in Geo-sciences at *Lomonosov Moscow State University* in 2019 (awarded the qualification of Researcher-Instructor-researcher)
- Additional training at *Bioinformatics Institute* (courses *Introduction to Statistics I, II, III* and *Data Analysis in R*) in 2018-2019
- Teaching experience with various courses at BSc level:
  - Hydrology (Lomonosov Moscow State University, BSc-level, teaching assistant)
  - GIS in Hydrology (Lomonosov Moscow State University, BSc-level, teaching assistant)
- Co-Supervision of 4 BSc, MSc theses since 2018
- Peer reviewer for various international scientific journals (including *Journal of Soils and Sediments*; *Water; Sustainability*; *Ecohydrology & Hydrobiology*; *Geography, Environment, Sustainability*)
- Co-author and maintainer of the open Russian-English hydrological dictionary [hydrowiki.org](http://hydrowiki.org)
- Hobbies and interests: open source, R programming and coding enthusiast, mountain hiker, long-distance runner (1:40 for 21.1 km; 4:08 for 42.2 km)

## Skills

### LANGUAGES

Skill	Russian	English
Reading	Native	C2
Writing	Native	C2
Listening	Native	C1
Speaking	Native	C1

Common European Framework of Reference for Languages: A1/A2: Basic User. B1/B2: Independent User. C1/C2: Proficient User

### ✓ DEFINING ATTRIBUTES

advanced analytic skills, strategic thinking, resourceful team player, public speaking, organizational & communication skills

### ⚙️ TECH SKILLS

#### Coding Languages

R – Python

#### Software

QGIS – ArcGIS – SAGA – RStudio –  
Inkscape – Mendeley/Zotero –  
Agisoft Metashape

#### Other

Git – Markdown – LaTeX – PHP

### 📅 ORGANIZING COMMITTEE SECRETARY

Aug 2021	International Conference on the Status and Future of the World's Large Rivers 🔗	<a href="#">Moscow, Russia</a>
Nov 2020	School for Young Scientists «Pollutant and sediment mobility in river systems: monitoring studies to identify human impacts» 🔗	<a href="#">Online Event</a>
Aug 2018	The Second International Young Scientists Forum on Soil and Water Conservation and ICCE symposium 2018 «Climate Change Impacts on Sediment Dynamics: Measurement, Modeling and Management»	<a href="#">Moscow, Russia</a>

## Publications (selection)

### PENDING

1. Tsyplenkov, A., Vanmaercke, M., Collins, A., Kharchenko, S., & Golosov, V. (2021). Elucidating suspended sediment dynamics in a glacierized catchment after an exceptional erosion event: The Djankuat catchment, Caucasus Mountains, Russia. *CATENA*, IN PRINT.
2. Tsyplenkov, A. S., Golosov, V. N., & Belyakova, P. A. (2021). How does the suspended sediment yield change in the North Caucasus during the Anthropocene? *Hydrological Processes*, IN REVIEW.

### PUBLISHED

1. Ivanov, M. M., Konoplev, A. V., Walling, D. E., Konstantinov, E. A., Gurinov, A. L., Ivanova, N. N., Kuzmenkova, N. V., Tsyplenkov, A. S., Ivanov, M. A., & Golosov, V. N. (2021). Using reservoir sediment deposits to determine the longer-term fate of chernobyl-derived <sup>137</sup>Cs fallout in the fluvial system. *Environmental Pollution*, 274, 116588. <https://doi.org/10.1016/j.envpol.2021.116588>
2. Golosov, V. N., Ivanov, M. M., Tsyplenkov, A. S., Ivanov, M. A., Konoplev, A. V., Wakiyama, Y., Konstantinov, E. A., & Ivanova, N. N. (2021). Erosion as a Factor of Transformation of Soil Radioactive Contamination in the Basin of the Shchekino Reservoir (Tula Region). *Eurasian Soil Science*, 54(2), 291–303. <https://doi.org/10.1134/S106422932102006X>
3. Tsyplenkov, A., Vanmaercke, M., Golosov, V., & Chalov, S. (2020). Suspended sediment budget and intra-event sediment dynamics of a small glaciated mountainous catchment in the Northern Caucasus. *Journal of Soils and Sediments*. <https://doi.org/10.1007/s11368-020-02633-z>
4. Rets, E. P., Popovnin, V. V., Toropov, P. A., Smirnov, A. M., Tokarev, I. V., Chizhova, J. N., Budantseva, N. A., Vasilchuk, Y. K., Kireeva, M. B., Ekaykin, A. A., Veres, A. N., Aleynikov, A. A., Frolova, N. L., Tsyplenkov, A. S., Poliukhov, A. A., Chalov, S. R., Aleshina, M. A., & Kornilova, E. D. (2019). Djankuat glacier station in the North Caucasus, Russia: A database of glaciological, hydrological, and meteorological observations and stable isotope sampling results during 2007–2017. *Earth System Science Data*, 11(3), 1463–1481. <https://doi.org/10.5194/essd-11-1463-2019>
5. Tsyplenkov, A., Vanmaercke, M., & Golosov, V. (2019). Contemporary suspended sediment yield of caucasus mountains. *Proceedings of the International Association of Hydrological Sciences*, 381, 87–93. <https://doi.org/10.5194/piahs-381-87-2019>
6. Chalov, S. R., Tsyplenkov, A. S., Pietron, J., Chalova, A. S., Shkolnyi, D. I., Jarsjo, J., & Maerker, M. (2017). Sediment transport in headwaters of a volcanic catchment Kamchatka Peninsula case study. *Frontiers of Earth Science*, 11(3), 565–578. <https://doi.org/10.1007/s11707-016-0632-x>
7. Chalov, S. R., Golosov, V. N., Tsyplenkov, A. S., Theuring, Ph., Zakerinejad, R., Maerker, M., & Samokhin, M. (2017). A toolbox for sediment budget research in small catchments. *GEOGRAPHY, ENVIRONMENT, SUSTAINABILITY*, 10(4), 43–68. <https://doi.org/10.24057/2071-9388-2017-10-4-43-68>
8. Chalov, S. R., & Tsyplenkov, A. S. (2017). Sediment discharge of small rivers in areas of active volcanism (river Sukhaya Elizovskaya, Kamchatka). *Geomorphology RAS*, 6(1), 104–116. <https://doi.org/10.15356/0435-4281-2017-1-104-116>