

Azim Missarov

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Education

- **2019 - 2022** PhD student, Applied geoinformatics program, Faculty of Forestry and Wood Technology, Mendel University in Brno.

Dissertation thesis: “Kvantifikace a klasifikace biomasy jednotlivých stromů z dat pozemního / dronového laserového skenování”.
- **2007** Master, faculty of mathematics and mechanics of Moscow State University

Average score: 4.8. Including: Probability theory: 5, Statistics: 4, Stochastic processes theory: 5, Programming: 5, Master Theses: “Trigonometric reflectionless potentials at fixed energy” – 5

Work experience

- **2019 – now** VÚKOZ, v.v.i., researcher

3D Forest project, machine learning algorithms implementation: tree microhabitat recognition, species classification, three-dimensional forest analysis etc.
- **2018 – 2019** VÚKOZ, v.v.i., technician

3D Forest project, machine learning algorithms implementation: species classification, tree segmentation, tree parameters calculation etc.
- **2013-2015** Laboratory of Biogeocenology, IPEE

Statistical data analysis (carbon fluxes, meteorology data): time series analysis, linear and non-linear regression analysis;

Technical assistance in an eddy covariance tower-station In Cat Tien, Vietnam.
- **2007-2018** participation in different financial, IT and education consulting projects.

Skills

- **Computer** : Python, Fortran, MatLab, R
- **Personal skills**: analytical mind, goal achievement, team work ability
- **Languages** : Tatar(native), Russian (fluent), English (intermediate up), Czech(intermediate)

Publications

- “Supervised segmentation of ultra-high-density drone lidar for large-area mapping of individual trees” M. Krucek, K. Kral, KC. Kushman, **A. Missarov**, J. Kellner. *Remote Sensing*, 2020
- “Occupation of canopy space in European temperate old-growth forest observed by TLS” K.Kral, **A.Missarov**, M. Krucek, M. Petrov. *Silvilaser*, 2021
- “Drone LIDAR remote sensing for mistletoe recognition and monitoring” **A. Missarov**, Y.Krasylenko, M. Krucek, M. Slavik, B. Nutfullin, K.Kral. *Silvilaser*, 2021
- “Defining tree species canopy niches in European temperate old-growth forest using TLS data” K.Kral, **A.Missarov**, M. Krucek, M. Petrov. *ForestSAT*, 2022
- “Mapping mistletoe infestation using UAV” **A. Missarov**, Y.Krasylenko, M. Krucek, B. Nutfullin, K.Kral. *ForestSAT*, 2022