

List of Publications

Publications in Journals with Impact Factor (J_{imp})

Ecologically relevant canopy openness from hemispherical photographs (2023). Hederová, L. Macek, M., Wild, J. Brůna, J., **Kašpar, V.**, Klinerová, T. Kopecký, M. *Agriculture and Forest Meteorology.*, Elsevier, vol. 330, p. 109308.

Author's contribution: Conceptualization, Methodology, Data Curation, Formal analysis, Investigation, Writing – Original Draft (10 %)

Unmanned Aerial Systems for modelling air pollution removal by urban greenery (2022). **Kašpar, V.**, Zapletal, M. Samec, P., Komárek, J., Bílek, J., Juráň, S. *Urban Forestry and Urban Greening*, Elsevier, vol. 78, p. 127757.

Author's contribution: Conceptualization, Methodology, Data Curation, Formal analysis, Investigation, Writing – original draft, review & editing, Visualization (80 %)

Global maps of soil temperature (2022). Lembrechts, J. J., van den Hoogen, J., Aalto, J., Ashcroft, M. B., De Frenne, P., Kemppinen, J., Kopecký, M., Luoto, M. . . . , **Kašpar, V.**, . . . , Lenoir, J. *Global Change Biology*, Wiley Online Library, vol. 28, p. 3110-3144.

Author's contribution: Data Curation (1 %)

Temperature buffering in temperate forests: Comparing microclimate models based on ground measurements with active and passive remote sensing (2021). **Kašpar, V.**, Hederová, L., Macek, M., Müllerová, J., Prošek, J., Surový, P. Wild, J., Kopecký, M. *Remote Sensing of Environment*, Elsevier, vol. 263, p. 112522.

Author's contribution: Conceptualization, Methodology, Data Curation, Formal analysis, Investigation, Writing – Original Draft and Review, Visualization (65 %)

International Conferences

10/2021

Application drone-based remote sensing in modelling ozone removal by urban greenery in the city Ostrava, the Czech Republic

Zapletal, M., **Kašpar, V.**, Samec, P., Juráň, S. Víchová, P., Hladík, J. *In: IUFRO conference on "Air Pollution threats to Plant Ecosystems"*.

Paphos, Cyprus.

5/2019

Determination of forest microclimate from remote sensing proxy variables

Kašpar, V., Hederová, L., Kopecký, M., Macek, M., Müllerová, J., Wild, J. *In: Living Planet Symposium*.

Milan, Italy.

1/2019

Forest microclimate and its modelling by remote sensing proxy variables

Kašpar, V., Hederová, L., Kopecký, M., Macek, M., Müllerová, J., Wild, J. *In: 9th Biennial Conference of the International Biogeography Society*

Malaga, Spain.

9/2018

Assessing canopy openness in dense forests from photogrammetric canopy height model.

Kašpar, V., Hederová, L., Kopecký, M., Macek, M., Müllerová, J., Wild, J. *In: 1st EARSeL UAS Workshop – "UAS for mapping and monitoring"*.

Warsaw, Poland.

Other Publications

Adaptation Strategy of the city to climate change. Comprehensive and strategic and planning document of the city of Vsetín (2022). Vizina, Š., Kantor, Č., Frélich, Z. **Kašpar, V.**, Przybyla, R., Ausfícir, J., Jurečka, F., Misaček, R., Vojkovská, R., Karkoszková, Z., City of Vsetín. 221 p.

Local adaptation strategy of the city České Budějovice to climate change (2022). Misaček, R., Vojkovská, R., Karkoszková, Z. Vizina, Š., Kantor, Č., Frélich, Z. **Kašpar, V.**, Ausfícir, J., Jurečka, F., Ander, M. Maceková, M., Čech, M., City of České Budějovice. 191 p.

Green Infrastructure and its effect on air quality. Methodology of planting greenery in urban areas in order to capture pollution (2021). Zapletal, M, **Kašpar, V.**, Samec, P. Bílek, Jiří, Doležal, K. Víchová, P., Balcar, T. Kalužová, G. Jurán, S., Hladík, J., Buček, P., Martaus, A., Blahůšková, V., Vráblová, M., Maršolek, P. Statutory City of Ostrava / Strategic Development Department. ISBN 978-80-88399-04-9. 104 p.

Green Infrastructure for Cities. (2021). Zapletal, M, **Kašpar, V.**, Samec, P. Bílek, Jiří, Doležal, K. Víchová, P., Balcar, T. Kalužová, G. Jurán, S., Hladík, J. Statutory City of Ostrava / Strategic Development Department. ISBN 978-80-88399-01-8. 68 p.