Peer-Reviewed Articles/ Chapters/ Books

MANUSCRIPTS IN REVIEW/ TO BE SUBMITTED/ IN PREPRATION

1. (**2024**) – Foreback, B., Clusius, P. S., Baykara, M., **Mahura, A.,** Pichelstorfer, L., Xavier, C., Zhou, P., Kokkonen, T., Kerminen, V.-M., Liu, Y., Xia, M., Chen, X., Hua, C., Wang, Z., Nuterman, R., Baklanov, A., Ciarelli, G., Sinclair, V., Liu, Z.-S. & Ashu, T. A. & 4 others (2024): Severe haze episodes in Beijing may be influenced by emissions in far western China. *In review, In Air quality, atmosphere & health*.
2. (**2025**) – Pankratov F., **Mahura A.,** Petaja T., et al. list of co-authors (2025): Measurement report: Atmospheric mercury measurements at the Russian Arctic station Amderma and connection with eruptions of Icelandic volcanoes. *In Review, Atm Chem & Phys*
3. (**2025+**) – Savenets M., **Mahura A.,** Nuterman R., et al. list of co-authors (2025): Diverse aerosol effects under changeable synoptic conditions revealed during the April 2020 wildfire and dust storm events in Ukraine. *To be submitted to Atm Chem & Phys*
4. (**2024+**) – **Mahura A**., Nuterman R., Baklanov A., Makkonen R., Petaja T., Kulmala M., (2025): Evaluation *of Parameterizations for Sea-Spray Emissions in the Arctic Using Enviro-HIRLAM Seamless Modelling. In Preparation for ACP*
5. (**2024+**) – Heibati B., **A. Mahura,** J. Jaakkola, et al. (2025): Covid-19 in urban Finland: Seamless modelling of meteorology and air pollution to estimate impacts. *In Preparation for MDPI Atmosphere*
6. (**2024+**) – **Mahura A**., Ezau I., Nuterman R. et al. list of co-authors (2025): Integrated Urban Environmental Modeling: from Development to Implementation. *In Preparation for ACP*
7. (**2024+**) – Esau I., **Mahura A**., Nuterman R., et al. list of co-authors (2025): High-Resolution Integrated Urban Environmental Modeling. *In Preparation for Atm Poll Res*
8. (**2025+**) – Lappalainen H.K., **Mahura A.,** Riuttanen L. et al. list of co-authors (2025): Virtual Exchange concept development for university education and for students with different science background. *In Preparation for J. of Virtual Exchanges*
9. (**2025+**) – Shevchenko O., Ovcharuk V., **Mahura A.,** et al. list of co-authors (2025): Virtual Exchange Moderation: Training Programs, Learning Resources, and Climate Data Applications. *In Preparation for J. of Virtual Exchanges*

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10. (**2025**) – **Mahura A**., Nuterman R. (**2025**): Theory of atmospheric pollution dispersion. *Chapter 7 in Air Quality Science, Impacts, and Management (Editor Ranjeet S. Sokhi), Elsevier, 2025, 193-216, ISBN 9780128225912, https://doi.org/10.1016/B978-0-12-822591-2.00007-X*
11. (**2024**) – **Mahura A.,** Baklanov A., Makkonen R., Boy M., Petäjä T., Lappalainen H.K., Nuterman R., Kerminen V-M., Arnold S.R., Jochum M., Shvidenko A., Esau I., Sofiev M., Stohl A., Aalto T., Bai J., Chen Ch., Cheng Ya., Drofa O., Huang M., Järvi L., Kokkola H., Kouznetsov R., Li T., Malguzzi P., Monks S., Poulsen M.B., Noe S.M., Palamarchuk Yu., Foreback B., Clusius P., Rasmussen T.A.S., She J., Sørensen J.H., Spracklen D., Su H., Tonttila J., Wang S., Wang J., Wolf-Grosse T., Yu Y., Zhang Q., Zhang W., Zhang We., Zheng S., Li S., Li Y., Zhou P., & Kulmala M. (**2024**): Towards seamless environmental prediction – development of Pan-Eurasian EXperiment (PEEX) modelling platform. *Big Earth Data, 8(2), 189-230. https://doi.org/10.1080/20964471.2024.2325019*
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13. (**2024**) – Foreback, B., **Mahura, A.,** Clusius, P., Xavier, C., Baykara, M., Zhou, P., Nieminen, T., Sinclair. V., Kerminen, V.M., Kokkonen, T. V., Hakala, S., Aliaga, D., Makkonen, R., Baklanov, A., Nuterman, R., Xia, M., Hua, C., Liu, Y., Kulmala, M., Paasonen, P. & Boy, M: (**2024**): A new implementation of FLEXPART with Enviro-HIRLAM meteorological input, and a case study during a heavy air pollution event. *Big Earth Data, 8(2), 397-434. https://doi.org/10.1080/20964471.2024.2316320*
14. (**2023**) – Kulmala M., Kokkonen T., Ezhova E., Baklanov A., **Mahura A.,** Mammarella I., Bäck J., Lappalainen H.K., Tyuryakov S., Kerminen V-M., Zilitinkevich S., Petäjä T. (**2023**): Aerosols, Clusters, Greenhouse Gases, Trace Gases and Boundary-Layer Dynamics: on Feedbacks and Interactions. *Boundary-Layer Meteorology, https://doi.org/10.1007/s10546-022-00769-8*
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