

## Peer-Reviewed Articles/ Chapters/ Books

### *In preparation / to be submitted*

Pankratov F., **Mahura A.**, Popov V., Masloboev V.: Elevated atmospheric mercury concentrations at the Russian polar station Amderma during Icelandic volcanoes' eruptions.

**Mahura A.**, Nuterman R., González-Aparicio I., Amstrup B., Yang X., Baklanov A.: Meteorological and Chemical Urban Scale Modelling for Metropolitan Areas.

Zakarin E., Balakay L., Mirkarimova B., **Mahura A.**, Baklanov A., Sorensen J.H.: Transboundary atmospheric Transport of Oil-Gas Industry Emissions from the Atyraus Region (Kazakhstan).

**Mahura A.**, Petersen C., Amstrup B., Andersen B.S., Sass B.H.: Post-Processing of NWP Models Forecasts: Case of Denmark and Greenland. Meteorological Applications.

Esau I., Baklanov A., Borstein R., Miles V., **Mahura A.**, Petrov S., Melnikov V., Konstantinov P., Varentsov M., Järvi L.: Northern Urbanization: Environmental and climate challenges and their impact on urban societies.

**Mahura A.**, Nuterman R., Baklanov A., Petaja T., Lappalainen H.K.,..., Zilitinkevich S., Kulmala M.: Aerosol feedbacks and interactions at regional scale in the Arctic-boreal domain.

**Mahura A.**, Makkonen R., Boy M., Nutermna R., Ivanov S., ... : Enviro-PEEX: integrated multi-scale and multi-processes modelling of meteorology-chemistry-aerosols feedbacks and interactions in weather, climate and atmospheric composition

1. (2018) – **Mahura A.**, A. Baklanov, S.R. Arnold, R. Makkonen, M. Boy, T. Petäjä, V-M. Kerminen, H.K. Lappalainen, M. Jochum, R. Nuterman, A. Schvidenko, I. Esau, E. Gordov, A. Titov, I. Okladnikov, V. Penenko, A. Penenko, M. Sofiev, A. Stohl, T. Aalto, J. Bai, C. Chen, Y. Cheng, M. Cherepova, O. Drofa, M. Huang, L. Järvi, H. Kokkola, R. Kouznetsov, T. Li, K.S. Madsen, P. Malguzzi, K. Moiseenko, S. Monks, S. Myslenkov, G. Nerobelov, S.B. Nielsen, S.M. Noe, Y. Palamarchuk, E. Pyanova, T.S. Rasmussen, J. She, A. Skorohod, S. Smyshlyaev, J.H. Sørensen, D. Spracklen, H. Su, J. Tonttila, E. Tsvetova, S. Wang, J. Wang, T. Wolf-Grosse, Y. Yu, Q. Zhang, W. Zhang, W. Zhang, X. Zheng, P. Zhou, S. Zilitinkevich, M. Kulmala (2018): PEEX Modelling Platform for Seamless Environmental Prediction. *Atm Chem & Phys Discussion*, *acp-2018-541*, 49p., In Review
2. (2018) – Nerobelov G., Sedeeva M., **Mahura A.**, Nuterman R., Mostamandi S., Smyshlyaev S. (2018): Online integrated modeling on regional scale in North-West Russia: evaluation of aerosols influence on meteorological parameters. *Geography, Environment, Sustainability*; 2018, 11(2): 73-83, <https://doi.org/10.24057/2071-9388-2018-11-2-73-83>
3. (2018) – **Mahura A.**, Gonzalez-Aparicio I., Nuterman R., Baklanov A. (2018): Seasonal impact analysis on population due to continuous sulphur emissions from Severonikel smelters of the Kola Peninsula. *Geography, Environment, Sustainability*; 2018, 11(1): 130-144, DOI:10.24057/2071-9388-2018-11-1-130-144
4. (2018) – Lappalainen H.K., Altimir N., Kerminen V., Petäjä T., Makkonen R., Alekseychik P., Zaitseva N., Bashmakova I., Kujansuu J., Lauri A., Haapanala P., Mazon S.B., Borisova A., Konstantinov P., Chalov S., Laurila T., Asmi E., Lihavainen H., Bäck J., Arshinov M., **Mahura A.**, Arnold S., Vihma T., Uotila P., de Leeuw G., Kukkonen I., Malkhazova S., Tynkkynen V., Fedorova I., Hansson H.C., Dobrolyubov S., Melnikov V., Matvienko G., Baklanov A., Viisanen Y., Kasimov N., Guo H., Bondur V., Zilitinkevich S., Kulmala M. (2018): Pan-Eurasian EXperiment (peex) program: An overview of the first 5 years in operation and future prospects. *Geography, Environment, Sustainability*; 2018, 11(1): 6-19, <https://doi.org/10.24057/2071-9388-2018-11-1-6-19>
5. (2018) – Lappalainen H.K., M. Kulmala, J. Kujansuu, T. Petäjä, **A. Mahura**, G. de Leeuw, S. Zilitinkevich, M. Juustila, V-M. Kerminen, B. Bornstein, Z. Jiahua, X. Yong, Q. Yubao, L. Dong, L. Jie, G. Huadong (2018): The Silk Road agenda of the Pan-Eurasian EXperiment (PEEX) program. *Big Earth Data*, 2:1, 8-35, DOI: 10.1080/20964471.2018.1437704
6. (2017) – Baklanov A., Korsholm S.U., Nuterman R., **Mahura A.**, Nielsen K.P., Sass B.H., Rasmussen A., Zakey A., Kaas E., Kurganskiy A., Sørensen B., González-Aparicio I. (2017): Enviro-HIRLAM online integrated meteorology–chemistry modelling system: strategy, methodology, developments and applications (v7.2), *Geosci. Model Dev.*, 10, 2971-2999, <https://doi.org/10.5194/gmd-10-2971-2017>
7. (2017) – Lappalainen H.K., V.M. Kerminen, T. Petäjä, J. Bäck, T. Vesala, T. Vihma, T. Haapala, **A. Mahura**, A. Baklanov, R. Makkonen, A. Lauri, V-P. Tynkkynen, G. de Leeuw, P. Konstantinov, N. Kasimov, V. Bondur, V. Melnikov, S. Zilitinkevich, M. Kulmala (2017): Pan-Eurasian Experiment (PEEX) – A Framework Program on the Land–Atmosphere–Ocean–Society Interactions of the Changing Arctic–Boreal Environments. 18p; in the *Arctic Yearbook 2017, Section III: Creative Collaboration, Scholarly Articles*
8. (2016) - Lappalainen H. K., Kerminen V.-M., Petäjä T., Kurten T., Baklanov A., Shvidenko A., Bäck J., Vihma T., Alekseychik P., Arnold S., Arshinov M., Asmi E., Belan B., Bobylev L., Chalov S., Cheng Y., Chubarova N., de Leeuw G., Ding A., Dobrolyubov S., Dubtsov S., Dyukarev E., Elansky N., Eleftheriadis K., Esau I., Filatov N., Flint M., Fu C., Glezer O., Gliko A., Heimann M., Holtslag A., Hörrak U., Janhunen J., Juhola S., Järvi L., Järvinen H., Kanukhina A., Konstantinov P., Kotlyakov V., Kieloaho A.-J., Komarov A. S., Kujansuu J., Kukkonen I., Kyrö E., Laaksonen A., Laurila T., Lihavainen H., Lisitzin A., **Mahura A.**, Makshtas A., Mareev E., Mazon S., Matishov D., Melnikov V., Mikhailov E., Moisseev D.,

- Nigmatulin R., Noe S. M., Ojala A., Pihlatie M., Popovicheva O., Pumpanen J., Regerand T., Repina I., Shcherbinin A., Shevchenko V., Sipilä M., Skorokhod A., Spracklen D. V., Su H., Subetto D. A., Sun J., Terzhevik A. Y., Timofeyev Y., Troitskaya Y., Tynkkynen V.-P., Kharuk V. I., Zaytseva N., Zhang J., Viisanen Y., Vesala T., Hari P., Hansson H. C., Matvienko G. G., Kasimov N. S., Guo H., Bondur V., Zilitinkevich S., Kulmala M. (2016): Pan-Eurasian Experiment (PEEX): Towards holistic understanding of the feedbacks and interactions in the land–atmosphere–ocean–society continuum in the Northern Eurasian region, *Atmos. Chem. Phys.*, 16, 14421-14461, doi:10.5194/acp-16-14421-2016
9. (2015) - Penenko A., Penenko V., Nuterman R., Baklanov A., **Mahura A.** (2015): Direct variational assimilation algorithm for atmospheric chemistry data with transport and transformation model. *SPIE Vol 9680, Atmospheric and Ocean Optics: Atmospheric Physics*, 968076, Nov 2015, 12p., doi: 10.1117/12.2206008
  10. (2014) - González-Aparicio I., Baklanov A., Korsholm U., Hidalgo J., Neuterman R., **Mahura A.** (2014): Impact of city expansion and increased heat fluxes scenarios on the urban boundary layer of Bilbao using Enviro-HIRLAM. *Urban Climate*, Vol 10(5), Dec 2014, pp. 831-845; doi:10.1016/j.uclim.2014.07.010
  11. (2014) – Baklanov A., Schlünzen K., Suppan P., Baldasano J., Brunner D., Aksoyoglu S., Carmichael G., Douros J., Flemming J., Forkel R., Galmarini S., Gauss M., Grell G., Hirtl M., Joffre S., Jorba O., Kaas E., Kaasik M., Kallos G., Kong X., Korsholm U., Kurganskiy A., Kushta J., Lohmann U., **Mahura A.**, Manders-Groot A., Maurizi A., Moussiopoulos N., Rao S. T., Savage N., Seigneur C., Sokhi R. S., Solazzo E., Solomos, S., Sørensen B., Tsegas G., Vignati E., Vogel B., Zhang Y. (2014): Online coupled regional meteorology chemistry models in Europe: current status and prospects. *Atmos. Chem. Phys.*, 14, pp.317-398, doi:10.5194/acp-14-317-2014
  12. (2013) – **Mahura A.**, R. Nuterman, I. Petrova, B. Amstrup (2013): Atmospheric Trajectory and Chemical Transport Modelling for Elevated Ozone Events in Denmark. *Atmospheric and Climate Sciences*, Vol. 3(1), 2013, pp.87-99. doi:10.4236/acs.2013.31011.
  13. (2013) – Pankratov F., A. Konoplev, **A. Mahura**, O. Kats (2013): Analysis of the data of long-term monitoring of atmospheric mercury content and meteorological parameters at Amderma polar station. *Russian Meteorology and Hydrology*, Vol 38(6), pp.405-413; doi:10.3103/S1068373913060058
  14. (2013) – Gonzalez-Aparicio I., J. Hidalgo, A. Baklanov, U. Korsholm, R. Nuterman, **A. Mahura**, O. Santa-Coloma (2013): Urban Boundary Layer Analysis in the Complex Coastal Terrain of Bilbao using Enviro-HIRLAM. *Theoretical and Applied Climatology*, Vol13(3-4), pp.511-527; doi: 10.1007/s00704-012-0808-6
  15. (2012) – Baklanov A., **Mahura A.**, Nazarenko L., Tausnev N., Kuchin A., Rigina O. (2012): Modelling of Atmospheric Pollution and Climate Change in Northern Latitudes. Ed. A. Baklanov, V. Masloboev. *Kola Sci.Center Publishing House, Apatity*, ISBN: 978-5-91137-228-6, UDK 504+551+621.039, 105p (in Russian)
  16. (2012) - Penenko V., Baklanov A., Tsvetova E., **Mahura A.** (2012): Direct and Inverse Problems in a Variational Concept of Environmental Modelling. *Pure and Applied Geophysics, Special Issue on "Data Assimilation and its Applications"*, Vol.169(3), pp.447–465; doi:10.1007/s00024-011-0380-5
  17. (2012) - Baklanov A., Penenko V., **Mahura A.**, Vinogradova A., Elansky N., Tsvetova E., Rigina O., Maksimenkov L., Nuterman R., Pogarskii F., A. Zakey (2012): Aspects of Atmospheric Pollution in Siberia, pp. 303-346; In "Regional Environmental Changes in Siberia and Their Global Consequences", P.Ya. Groisman, G. Gutman (Eds), Springer, doi:10.1007/978-94-007-4569-8, 360p.
  18. (2011) - Baklanov A., Aloyan A., **Mahura A.**, Arutyunyan V., P. Luzan (2011): Evaluation of source-receptor relationship for atmospheric pollutants using approaches of trajectory modelling, cluster, probability fields analyses and adjoint equations. *Atmospheric Pollution Research*, Vol.2(4), pp.400-529; doi:10.5094/APR.2011.045
  19. (2011) - **Mahura A.**, Baklanov A. (Eds) (2011): FP7 EU MEGAPOLI Project NewsLetters, 200p.; ISBN: 978-87-92731-27-2; [http://megapoli.dmi.dk/nlet/MEGAPOLI\\_NewsLetters\\_Volume.pdf](http://megapoli.dmi.dk/nlet/MEGAPOLI_NewsLetters_Volume.pdf)
  20. (2010) - Baklanov A, M. Lawrence, S. Pandis, **A. Mahura**, S. Finardi, N. Moussiopoulos, M. Beekmann, P. Laj, L. Gomes, J.-L. Jaffrezo, A. Borbon, I. Coll, V. Gros, J. Sciare, J. Kukkonen, S. Galmarini, F. Giorgi, S. Grimmond, I. Esau, A. Stohl, B. Denby, T. Wagner, T. Butler, U. Baltensperger, P. Builtjes, D. van den Hout, H. D. van der Gon, B. Collins, H. Schlunzen, M. Kulmala, S. Zilitinkevich, R. Sokhi, R. Friedrich, J. Theloke, U. Kummer, L. Jalkanen, T. Halenka, A. Wiedensholer, J. Pyle, W.B. Rossow (2010): MEGAPOLI: concept of multi-scale modelling of megacity impact on air quality and climate. *Advances in Science and Research*, Vol.4, pp.115-120
  21. (2010) - Baklanov A., **A. Mahura**, R. Sokhi (Eds). (2010): Integrated Systems of Meso-Meteorological and Chemical Transport. Springer Publishers, 242p., ISBN 978-3-642-13979-6, doi:10.1007/978-3-642-13980-2
  22. (2010) - Baklanov A., **A. Mahura**, U. Korsholm, R. Nuterman, J.H. Sørensen, B. Amstrup (2010): Overview of DMI ACT-NWP Modelling Systems, pp.167-178. In "Integrated Systems of Meso-Meteorological and Chemical Transport", Baklanov A., **A. Mahura**, R. Sokhi (Eds), Springer, 242p., ISBN 978-3-642-13979-6, doi: 10.1007/978-3-642-13980-2
  23. (2009) - **Mahura A.**, Baklanov A., J.H. Sørensen (2009): Estimation of Potential Impact on Copenhagen, Denmark, due to Accidental Releases at Nuclear Risk Sites. *International Journal of Environment and Pollution*, Vol.39(1-2), Jul 2009, pp.159-167, doi: 10.1504/IJEP.2009.027149
  24. (2009) - **Mahura A.**, Baklanov A., U. Korsholm (2009): Parameterization of the Birch Pollen Diurnal Cycle. *Aerobiologia*, Vol. 25(4), Dec 2009, pp.203-208, doi:10.1007/s10453-009-9125-7

25. (2009) - **Mahura A.**, Baklanov A., Hoe S., J.H. Sorensen, C. Petersen (2009): Changes in Meteorological and Atmospheric Transport and Deposition Patterns due to Influence of Metropolitan Areas. *Ukrainian Hydrometeorological Journal*, Vol.4, pp.187-194
26. (2009) - Baklanov A., S. Grimmond, **A. Mahura**, M. Athanassiadou (Eds) (2009): Urbanization of Meteorological and Air Quality Models. *Springer Publishers*, 169p, ISBN 978-3-642-00297-7; doi: 10.1007/978-3-642-00298-4
27. (2009) - **Mahura A.**, A. Baklanov, C. Petersen, N.W. Nielsen, B. Amstrup (2009): Verification and Case Studies for Urban Effects in HIRLAM Numerical Weather Forecasting, pp.143-150. In "Meteorological and Air Quality Models for Urban Areas", Eds. Baklanov A., S. Grimmond, **A. Mahura**, M. Athanassiadou; Springer Publishers, 169p., ISBN 978-3-642-00297-7; doi: 10.1007/978-3-642-00298-4\_14
28. (2008) - Baklanov A., Sorensen J.H., **Mahura A.** (2008): Methodology for Probabilistic Atmospheric Studies using Long-Term Dispersion Modelling. *Environmental Modelling and Assessment*, 13(4), pp.541-552, doi: 10.1007/s10666-007-9124-4
29. (2008) - Baklanov, A., P. Mestayer, A. Clappier, S. Zilitinkevich, S. Joffre, **A. Mahura**, N.W. Nielsen (2008): Towards improving the simulation of meteorological fields in urban areas through updated/advanced surface fluxes description. *Atmospheric Chemistry and Physics*, 8, pp.523-543
30. (2008) - Baklanov A., Korsholm U.S., **Mahura A.**, Petersen C., Gross A. (2008): ENVIRO-HIRLAM: on-line coupled modelling of urban meteorology and air pollution. *Advances in Science and Research*, 2, pp.41-46
31. (2008) - Baklanov A., U. Korsholm, A. Gross, **A. Mahura**, B.H. Sass, E. Kaas (2008): Enviro-HIRLAM: on-line coupled modelling of meteorological and atmospheric chemical transport processes with two-way feedbacks. pp.55-60. In "Interaction between climate change, air pollution and related impacts", TemaNord 2008:602, 77 p., ISBN 978-92-893-1791-7
32. (2008) - **Mahura A.**, Leroyer S., Baklanov A., Mestayer P., Korsholm U.S., I. Calmet (2008): Temporal and Spatial Variability of Fluxes in Urbanized Areas, pp-219-232; In "Urban Climate and Bioclimate", (Eds. Klysik K., Wibig J., Fortuniak K.), ISBN: 978-83-7525-243-9
33. (2008) - **Mahura A.**, Petersen C., Baklanov A., B. Amstrup (2008): Evaluation of Building Effect Parameterization Module for Urbanized Numerical Weather Prediction Modelling, pp.371-380; In "Urban Climate and Bioclimate", (Eds. Klysik K., Wibig J., Fortuniak K.), ISBN: 978-83-7525-243-9
34. (2007) - **Mahura A.**, Korsholm U.S., Baklanov A., Rasmussen A. (2007): Elevated Birch pollen events in Denmark: Contributions from remote sources. *Aerobiologia*, Vol.23, pp.171-179, doi:10.1007/s10453-007-9061-3
35. (2007) - **Mahura A.**, Baklanov A., Sorensen J.H., A. Svetlov, V. Koshkin (2007): Assessment of Long-Range Transport and Deposition from Cu-Ni Smelters of Russian North. pp.115-124, In "Air, Water and Soil Quality Modelling for Risk and Impact Assessment", Security Through Science Series, Eds. A. Ebel, T. Davitashvili, Springer Elsevier Publishers, doi: 10.1007/978-1-4020-5877-6\_10
36. (2007) - **Mahura A.**, A. Baklanov, S. Hoe, J.H. Sørensen, C. Petersen, K. Sattler (2007): Evaluation of land surface scheme modifications on atmospheric transport and deposition patterns in Copenhagen metropolitan area. *Developments in Environmental Sciences*, Eds. E. Renner, A. Ebel, Springer Elsevier Publishers, Vol.6, pp.64-72, doi:10.1016/S1474-8177(07)06017-2
37. (2007) - Lauritzen B., Baklanov A., **Mahura A.**, Mikkelsen T., Sørensen J.H. (2007): Probabilistic risk assessment for long-range atmospheric transport of radionuclides. *Journal of Environmental Radioactivity*, Vol.96(1-3), pp.110-115, doi:10.1016/j.jenvrad.2007.01.026
38. (2007) - Penenko V., A. Baklanov, **A. Mahura**, A. Aloyan (2007): Control Theory and Models. In "Air, Water and Soil Quality Modelling for Risk and Impact Assessment", Security Through Science Series, Eds. A. Ebel, T. Davitashvili, Springer Elsevier Publishers, pp.337-342, DOI: 10.1007/978-1-4020-5877-6\_31
39. (2006) - Lauritzen B., A. Baklanov, **A. Mahura**, T. Mikkelsen, J.H. Sørensen (2006): K-model description of probabilistic long-range atmospheric transport in the Northern Hemisphere. *Atmospheric Environment*, Vol.40(23), pp.4352-4369, doi:10.1016/j.atmosenv.2006.03.033
40. (2006) - Baklanov A., **Mahura A.**, Morozov S., Nazarenko L., Rigina O., Tausnev N., Koshkin V. (2006): Modelling of man's impact on the Arctic environment. Ed. A. Baklanov. Kola Sci.Center Publishing House, Apatity, Russia, ISBN: 5-91137-007-7, UDK 504+551+621.039, 144p (in Russian)
41. (2006) - Baklanov A., Sorensen J., **Mahura A.** (2006): Long-term Dispersion Modelling: Methodology for Probabilistic Atmospheric Studies. *Journal of Computational Technologies*, Vol.11, pp.136- 156
42. (2006) - Baklanov A., Morozov S., **Mahura A.**, Rigina O., Nazarenko L., Tausnev N., Koshkin V., Fedorenko Yu. (2006): Modelling of possible environmental consequences from the radiation risk objects in the European Arctic. Ed. A. Baklanov. Kola Sci. Center Publishing House, Apatity, Russia, ISBN: 5-91137-016-8, UDK 504+551+621.039, 164p (in Russian)
43. (2006) - Baklanov A., **Mahura A.**, Petersen C., Sattler K., Nielsen N.W. (2006): Effects of urbanized areas for NWP DMI-HIRLAM high resolution model operational runs. *Journal of Computational Technologies*, Vol.11, pp.157- 167

44. (2005) - Mahura A., Leroyer S., Mestayer P., Calmet I., Dupont S., Long N., Baklanov A., Petersen C., Sattler K., Nielsen N.W. (2005): Large Eddy Simulation of Urban Features for Copenhagen Metropolitan Area. *Atmospheric Chemistry and Physics Discussions*, Vol.5, pp.11183-11213
45. (2005) - Mahura A. G., A. Baklanov, J.H. Sørensen, F.L. Parker, V. Novikov, K. Brown, K. L. Compton (2005): Assessment of potential atmospheric transport and deposition patterns due to Russian Pacific fleet operations. *Environmental Monitoring and Assessment*, Vol.101(1-3), pp.261–287; DOI: 10.1007/s10661-005-0295-7
46. (2005) - Mahura A., Baklanov A, J.H. Sørensen (2005): Long-Term Dispersion Modelling: Assessment of Atmospheric Transport and Deposition Patterns from Nuclear Risk Sites in Euro-Arctic Region. *Journal of Computational Technologies*, Vol.10, pp.112-134
47. (2004) - Baklanov A., Mahura A. (2004): Assessment of possible airborne impact from risk sites: methodology for probabilistic atmospheric studies. *Atmos. Chem. & Phys.*, 4, pp.485–495; doi:1680-7324/acp/2004-4-485
48. (2004) - Mahura A., Baklanov A. (2004): Probabilistic indicators of atmospheric transport for regional monitoring and emergency preparedness systems. *Environment International*, Vol.29(8), pp.1063-1069; doi: 10.1016/S0160-4120(03)00100-4
49. (2003) - Baklanov A., Mahura A., Sørensen J.H. (2003): Methodology for prediction and estimation of consequences of possible atmospheric releases of hazardous matter: "Kursk" submarine study, *Atmos. Chem. Phys.*, 3, pp.747-762, doi:10.5194/acp-3-747-2003
50. (2003) - Mahura A., A. Baklanov, J.H. Sorensen (2003): Methodology for Evaluation of Possible Consequences of Accidental Atmospheric Releases of Hazardous Matters. *Radiation Protection Dosimetry*, Vol.103(2), pp.131-139
51. (2002) - Baklanov A., A.Mahura, D.Jaffe, L.Thaning, R.Bergman, R.Andres (2002): Atmospheric Transport Patterns and Possible Consequences for the European North After Nuclear Accident. *Journal of Environment Radioactivity*, Vol. 60(1-2), pp.1-26
52. (1999) - Mahura A., D.Jaffe, R.Andres, J.Merrill (1999): Atmospheric transport pathways from the Bilibino nuclear power plant to Alaska. *Atmospheric Environment*, Vol.33/30, pp.5115-5122
53. (1998) - Jaffe D.A., L.N. Yurganov, E. Pullman, J. Reuter, A. Mahura, P.C. Novelli (1998): Measurements of CO and O3 at Shemya, Alaska. *Journal of Geophysical Research*, Vol.103, pp.1493-1502
54. (1997) - Jaffe D.A., Mahura A., Kelley, J., Atkins J., Novelli P.C., Merrill J. (1997): Impact of Asian Emissions on the Remote North Pacific Atmosphere: Interpretation of CO Data from Shemya, Guam, Midway and Mauna Loa. *Journal of Geophysical Research*, Vol. 23, pp.28627-28636
55. (1995) - Kelley J.A., D.A.Jaffe, A.Baklanov, A.Mahura (1995): Heavy Metals on the Kola Peninsula: Aerosol Size Distribution. *The Science of the Total Environment*, Vol.160/161, pp.135-138
56. (1995) – Mahura A., A.Baklanov (1995): Ecological Learning Monitoring. *Student WorkBook, Kirkinnes Prining House, Norway, Dec 1995, 85p, (in Russian)*
57. (1994) - Baklanov A., Mahura A., Morozov S. (1994): The Simulation of Radioactive Pollution of the Environment after Hypothetical Accident at the Kola Nuclear Power Plant. *Journal of Environmental Radioactivity*, Vol. 25(2), pp.65-84
58. (1992) - Kadyrov D.A., A. Mahura (1992): The Forecast of Convection Zones. *Collection of Scientific Studies (Trudy), Leningrad Hydrometeorological Institute, Leningrad/St.Petersburg, Russia, pp.78-82, (in Russian) – 1<sup>st</sup> article*