

## PERSONAL INFORMATION

**Reneta Dimitrova**

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**Nationality** Bulgarian

## WORK EXPERIENCE

December 2015 - Present

**Associate Professor**

University of Sofia "St. Kl. Ohridski", Sofia 1164, Bulgaria

- Teaching: Introduction to meteorology, General meteorology II, Dynamic meteorology II, Boundary layer and interaction processes, Environmental problems and transport of pollutants in the atmosphere, Natural disasters
- Field of research: Numerical modelling of mesoscale and microscale atmospheric dynamics, Physics of the atmospheric boundary layer, Mesoscale and synoptic scale interactions, Air quality modelling, pollution and human health

**Business or sector:** Education and research

January 2012- November 2015

**Associate Professor**

National Institute of Geophysics, Geodesy and Geography, Bulgarian Academy of Sciences, Department Geophysics, Section Atmospheric Physics, Sofia 1113, Bulgaria

June 2010 - December 2011

**Research Assistant Professor**

University of Notre Dame, Department of Civil & Environmental Engineering & Earth Sciences, Notre Dame, Indiana, USA

May 2007 - May 2010

**Faculty Research Associate**

Arizona State University, School of Mechanical, Aerospace, Chemical and Materials Engineering, Centre for Environmental Fluid Dynamics, Tempe, Arizona, USA

August 2005 - April 2007

**Senior Researcher**

Geophysical Institute, Bulgarian Academy of Sciences, Sofia 1113, Bulgaria

September 2003 - July 2005

**Postdoctoral Research Associate**

Central Nantes University, Fluid Mechanics Laboratory, Nantes, France

May 2002 - August 2003

**Senior Researcher**

Geophysical Institute, Bulgarian Academy of Sciences, Sofia 1113, Bulgaria

February 1996 - May 2002

**Researcher**

Geophysical Institute, Bulgarian Academy of Sciences, Sofia 1113, Bulgaria

January 1991- January 1996

**Ph.D. student**

Geophysical Institute, Bulgarian Academy of Sciences, Sofia 1113, Bulgaria

**Business or sector:** Research

## EDUCATION AND TRAINING

2002

**PhD**

- Bulgarian Academy of Sciences
- Thesis title: Study of some local effects on atmospheric transport of pollutants at different scales

1990

**MSc**

- University of Sofia, 1164 Sofia (Bulgaria)
- Thesis title: Heavy metals pollution in Bulgaria

1988

**BSc**

- University of Sofia, 1164 Sofia (Bulgaria)

**PERSONAL SKILLS**

Mother tongue(s) Bulgarian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Russian	B1	B1	A1	A1	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

Computer skills

- Programming languages: Fortran, Linux scripts
- Models running: Model's 3 System – WRF/SMOKE/CMAQ; CHENSI CFD code; FLUENT CFD code; QUIC fast response urban dispersion model, RegCM-chem, ADMS-Urban

**ADDITIONAL INFORMATION**

<b>SUPERVISION OF RESEARCH STUDENTS</b>	<ul style="list-style-type: none"> <li>• Botev S., 2017, MSc, thesis title: Assessment the impact of different emission scenarios on pollution, climate change and agricultural yields in Bulgaria</li> <li>• Levi V., 2017, MSc, thesis title: Assessment of local contamination by detonation or combustion of explosives and flammable mixtures</li> <li>• Hadjieva R., 2018, BSc thesis title: Microclimate and sustainable development in urban areas</li> <li>• Velizarova M., 2018, BSc thesis title: Influence of aerosol air pollution on climate change</li> <li>• Petkov N., 2019, BSc thesis title: Satellite data in service to improve air quality predictions</li> </ul>
<b>RESEARCH PROJECTS AND GRANTS</b>	<ul style="list-style-type: none"> <li>• 2018-2022: National Science Program "Environmental Protection and Reduction of Risks of Adverse Events and Natural Disasters", supported by the Ministry of Education and Science, Principal Investigator of WP "Quality of live in Bulgaria"</li> <li>• 2018-2020: C-FOG Project: Toward Improving Coastal Fog Prediction, ONR Marine Meteorology and Space Program, Code 322M; Grant # - N00014-18-1-2472, key investigator</li> <li>• 2016-2019: "Study of the Planetary boundary layer structure and dynamics over complex terrain and urban area", funded by Bulgarian National Science Foundation, contract DH-04/7, Principal Investigator</li> <li>• 2016-2019: „Study the impact of air quality characteristics on quality of life and human health, funded by Bulgarian National Science Foundation, contract DH-04/2, key investigator</li> <li>• 2014-2016: "Regional climate-air quality interactions (REQUA)" – EU FP7-PEOPLE-2013-IRSES, Contract №612671, key investigator</li> <li>• 2011-2014: "Mountain Terrain Atmospheric Modelling and Observations (MATERHORN) Programme", A Multidisciplinary University Research Initiative (MURI) –Sponsor: Department of Defence, USA, key investigator</li> <li>• 2010-2013: "Promote air quality services integrating observations – development of basic localised information for Europe (PASODOBLE)" - EU 7FP Contract №241557, participant</li> <li>• 2009-2010: "Joint Air Toxics Assessment Project" – Sponsor: Arizona Department of Environmental Quality, USA, key investigator</li> <li>• 2008-2009: "Compositional Convection in Subterranean Oil Storage Tanks" - Sponsor: Sandia National Laboratories, USA, key investigator</li> <li>• 2008-2009: "South Phoenix Respiratory Health and Toxic Particulates" - Sponsor: Arizona Department of Environmental Quality, key investigator</li> <li>• 2007-2008: "Arizona Children's Health Challenge Grand Project" - Sponsor: US Environmental Protection Agency, key investigator</li> <li>• 2006-2007: "Study of the regional air pollution of Bulgaria and Greece taking into account the interaction between different transport scales in the atmosphere" - Grant from Hellenic Ministry of education to conduct joint research with Aristotle University of Thessaloniki, Greece</li> <li>• 2005-2010: "Quantifying the Climate Impact of Global and European Transport Systems – QUANTIFY" - EU 6FP Contract GOCE – 003893, participant</li> </ul>

	<ul style="list-style-type: none"> <li>▪ 2004-2010: "Atmospheric Composition Change: an European Network- ACCENT" - EU 6FP Contract GOCE-CT-2002-500337, participant</li> <li>▪ 2003-2005: "Advanced Tools for Rational Energy Use towards Sustainability with emphasis on microclimatic issues in urban applications- ATREUS" - 5FP of the European Commission Research Networks (Training and Mobility of Researchers), key investigator</li> <li>▪ 2002-2005: "Development of an up-to Date Research Infrastructure for Air Pollution Studies in Bulgaria - BULAIR" – EU 5FP Contract EVK2-CT-2002-80024, participant</li> <li>▪ 2000-2002: "Development of a Methodology for Determination of Traffic Emissions and Distribution of the Pollution Concentration in the Surface Layer" - Sponsor: PHARE Program, through Bulgarian Ministry of the Environment and Waters, contract N° 2750-599U, participant. The results were approved as a national regulatory standard for evaluation of air quality in urban traffic. 1998-2000: "Study of the Pollution Exchange Between Bulgaria and Northern Greece" - NATO Linkage Grant ENVIR.LG 973343/1998, key investigator</li> <li>▪ 1997-1998: "Development of Methodology for Designing New Industrial Stacks and Calculation of Pollution Concentration and Distribution in The Surface Layer" - Sponsor: PHARE program, through Bulgarian Ministry of the Environment and Waters, contract N° 166-1618, participant. The results were approved as a national regulatory standard for evaluation of the anthropogenic impacts on the air quality.</li> </ul>
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## Refereed Publications

- Reneta Dimitrova**, Ventsislav Danchovski, Evgenia Egova, Evgeni Vladimirov, Ashish Sharma, Orlin Gueorguiev, Danko Ivanov, Modeling the Impact of Urbanization on Local Meteorological Conditions in Sofia, *Atmosphere*, 10 (7), 2019, pp.1-24, ISSN (online):2073-4433, doi:<https://doi.org/10.3390/atmos10070366>
- Evgeni Vladimirov, **Dimitrova Reneta**, Ventsislav Danchovski. Sensitivity of WRF model results to topography and land cover: study for the Sofia region, *Annuaire de l'Université de Sofia "St. Kliment Ohridski", Faculté de Physique*, 111, 2018, pp. 87-101
- Z. Silver, **Reneta Dimitrova**, T. Zsedrovits, P. G. Baines, H. J. S. Fernando, Simulation of stably stratified flow in complex terrain: flow structures and dividing streamline, *Environmental Fluid Mechanics*, 2018, pp. 1-31, ISSN (print):1567-7419, ISSN (online):1573-1510, doi:[doi.org/10.1007/s10652-018-9648-y](https://doi.org/10.1007/s10652-018-9648-y)
- H.J.S. Fernando, J. Mann, J.M.L.M. Palma, J.K. Lundquist, R.J. Barthelmie, M. BeloPereira, W.O.J. Brown, F.K. Chow, **Reneta Dimitrova**, C.M Hocut, The Perdigão: Peering into Microscale Details of Mountain Winds, *BAMS*, 2018, doi:<https://doi.org/10.1175/BAMS-D-17-0227.1>
- Matthew E. Jeglum, Sebastian W. Hoch, Derek D. Jensen, **Dimitrova Reneta**, Zachariah Silver, Large temperature fluctuations Due to cold air pool displacement along the lee slope of a desert mountain, *Journal of Applied Meteorology and Climatology*, 56(4), 2017, pp. 1083-1098
- Evgenia Egova, **Dimitrova Reneta**, Ventsislav Danchovski, Numerical study of meso-scale circulation specifics in the Sofia region under different large-scale conditions, *Bulgarian Journal of Meteorology and Hydrology*, 22(3-4), 2017, pp. 54-72 doi:[http://meteorology.meteo.bg/global-change/files/2017/BJMH\\_2017\\_vol\\_22\\_3-4/BJMH\\_v22\\_issue\\_3-4\\_eegova\\_numerical.pdf](http://meteorology.meteo.bg/global-change/files/2017/BJMH_2017_vol_22_3-4/BJMH_v22_issue_3-4_eegova_numerical.pdf)
- Dimitrova Reneta**, Silver Z., Zsedrovits T., Hocut C., Leo L. S., Di Sabatino S., Fernando H.J.S., Assessment of Planetary Boundary-Layer Schemes in the Weather Research and Forecasting Mesoscale Model Using MATERHORN Field Data, *Boundary-Layer Meteorology*, 2016, pp. 1-21, doi:<http://link.springer.com/article/10.1007/s10546-015-0095-8?no-access=true>
- Fernando H.J.S., Pardyjak E.R., Di Sabatino S., Chow F.K., DeWekker S.F.J., Hoch S.W., Hacker J., Pace J.C., Pratt T., **Dimitrova Reneta**, et al., The MATERHORN – Unraveling the Intricacies of Mountain Weather, *Bulletin of the American Meteorological Society*, 2015, pp. 1-24, doi:<http://journals.ametsoc.org/doi/pdf/10.1175/BAMS-D-13-00131.1>
- Fernando H.J.S., Mammarella M.C., Grandoni G., Fedele P., Di Marco R., **Dimitrova Reneta**, Hyde P., Forecasting PM10 in Metropolitan Areas: Efficacy Neural Networks, *Environmental Pollution*, 163, 2012, pp. 62-67
- Dimitrova Reneta**, Lurpongkukana N., Hyde P., Fernando H.J.S., Runger G., Hedquist B., Anderson J., Bannister W., Johnson W., Relationship between Particulate Matter and Childhood Asthma – basis of a future warning system for Central Phoenix, *Atmospheric Chemistry and Physics*, 12, 2012, pp. 2479-2490, doi:<http://www.atmos-chem-phys.net/12/2479/2012/acp-12-2479-2012.pdf>
- Dimitrova Reneta**, Webb S., Fernando H.J.S., Pol S., Simulations of double-diffusive convection in narrow container, *Engineering and Computational Mechanics*, 165(2), 2012, pp. 131-145
- Wenbo T., Knutson B., Mahalov A., **Dimitrova Reneta**, The geometry of internal particle mixing in urban flows, from deterministic and random displacement models, *Physics of Fluids*, 24(063302), 2012, pp. 1-19, doi:10.1063/1.4729453
- Fernando H.J.S., Zajic D., Di Sabatino S., **Dimitrova Reneta**, Hedquist B., Dallman A., Flow, turbulence and pollutant dispersion in urban atmospheres, *Physics of Fluids*, 22, 2010, doi:10.1063/1.3407662
- Vardoulakis S., **Dimitrova Reneta**, Richards K., Hamlyn D., Camilleri G., Weeks M., Sini J.F., Britter R., Borrego C., Schatzmann M., Numerical model inter-comparison for wind flow and turbulence around single-block buildings, *Envir. Modelling & Assessment*, 16(2), 2010, pp. 169-181, doi: 10.1007/s10666-010-9236-0
- Dimitrova Reneta**, Sini J.F., Richards K., Schatzmann M., Weeks M., Perez-García E., Borrego C., Influence of thermal effects on the wind

- field within the urban environment, *Boundary-Layer Meteorology*, 131(2), 2009, pp. 223-243
- Dimitrova Reneta**, Sini J.-F., Richards K., Schatzmann M, CFD investigation of airflow around a simple obstacle with single heating wall, *EURASAP Newsletter*, 63, 2007, pp. 1-35
- Baklanov A., Bampas Ph., Bartzis J., Batchvarova E., Baumann-Stanzer K., Berkowicz R., Borrego C., Britter R., Brzozowski K. **Dimitrova Reneta** et al, Background and justification document to support the model evaluation guidance and protocol, Edited by: R. Britter and M. Schatzmann, 2007, ISBN:ISBN: 3-00-018312-4 COST Office
- Baklanov A., Bampas Ph., Bartzis J., Batchvarova E., Baumann-Stanzer K., Berkowicz R., Borrego C., Britter R., Brzozowski K., **Dimitrova Reneta** et al, Model evaluation guidance and protocol document, Edited by: R. Britter and M. Schatzmann, 2007, ISBN:ISBN: 3-00-018312-4 COST Office
- Zerefos Ch., Syrakov D., Ganev K., Vasaras A., Kourtidis K., Tzortziou M., Prodanova M., **Dimitrova Reneta**, Georgieva E., Yordanov D., Study of the pollution exchange between Bulgaria and Northern Greece, *Int. J. Environment & Pollution*, 22(1/2), 2004, pp. 163-185
- Zerefos Ch., D. Syrakov, Ganev K, Vasaras A., Kourtidis K., Tzortziou M., Prodanova M., **Dimitrova Reneta**, Georgieva E., Yordanov D., Miloshev N., Study of the pollution exchange between Bulgaria and Northern Greece, *Bulg J of Physics*, 27(3), 2004, pp. 86-89
- Zerefos Ch., Syrakov D, Ganev K., Vasaras A., Kourtidis K., Tzortziou M., Prodanova M., **Dimitrova Reneta**, Georgieva E., Yordanov D., Miloshev N., Study of the pollution exchange between Bulgaria and Northern Greece, *Lecture Notes in Computer Sciences, LNCS 2907*, 2004, pp. 328-336
- Ganev K., **Dimitrova Reneta**, Syrakov D., Zerefos Ch., Accounting for the meso-scale effects on the air pollution in some cases of large sulfur pollution in Bulgaria or Northern Greece, *Environmental Fluid Mechanics*, 3, 2003, pp. 41-53
- Ganev K., D. Syrakov, Zerefos Ch., Prodanova M., **Reneta Dimitrova**, Vasaras A., On some cases of extreme sulfur pollution in Bulgaria or Northern Greece, *Bulg Geoph J, XXVIII(1-4)*, 2002, pp. 15-22
- Reneta Dimitrova**, Air flows and pollution transport in the Sofia valley under highly stable background conditions, *Bulg Geoph J, XXVII(1-4)*, 2001, pp. 124-136
- Reneta Dimitrova**, Ganev K., Zerefos Ch., Vasaras A., Exchange of sulfur and nitrogen compounds between Bulgaria and Greece, estimated with a simple tree-layer pollution transport model, *Bulg Geoph J, XXVI(1-2)*, 2000, pp. 114-123, ISSN (online): <http://www.niggg.bas.bg/wp-content/uploads/2012/01/BGJ/2000/>
- Reneta Dimitrova**, Numerical studies of the city heat island, *Bulg Geoph J, XXVI(1-2)*, 2000, pp. 103-113
- Reneta Dimitrova**, Numerical simulation of flow data over two-dimensional hills and valley and comparison with wind tunnel experiment data, *Bulg Geoph J, XXV(1-4)*, 1999, pp. 32-43, ISSN (online):<http://www.niggg.bas.bg/wp-content/uploads/2012/01/BGJ/1999/>
- Reneta Dimitrova**, Ganev K., Some examples of the mesoscale topography effects on large scale air pollution transport, *Notes on Numerical Fluid Mechanics*, 73, 1999, pp. 267-274
- Reneta Dimitrova**, Miloshev N., Ganev K, A Prediction Fog Model with a Detailed Treatment of Fog Microphysics, *Bulg Geoph J, XXIV(1-2)*, 1998, pp. 55-67
- Gromkova N, **Reneta Dimitrova**, Quality estimation of the atmospheric air in the area of the Sofia airport, *Bulg Geoph J, XXIII(1-2)*, 1997, pp.5-17
- Reneta Dimitrova**, Three-layer model of mesoscale pollution in the atmosphere, *Bulg Geoph J, XXIII(1-2)*, 1997, pp. 29-40

## Conference Proceedings

- Kirova H., Batchvarova E., **Dimitrova R.**, Vladimirov E., Validation of WRF with detailed topography over urban area in complex terrain. Proceedings of the 37th International Technical Meeting on airpollution modelling and its applications (ITM2019), 23rd – 27th September 2019, Hamburg, Germany, accepted for publication
- Vladimirov E., **Dimitrova R.**, Danchevski V., (2020) Impact of Data Assimilation on Short-Term Precipitation Forecasts Using WRF-ARW Model. In: Lirkov I., Margenov S. (eds) *Large-Scale Scientific Computing. LSSC 2019. Lecture Notes in Computer Science*, vol 11958, pp 263-271. Springer, Cham, doi.org/10.1007/978-3-030-41032-2\_30
- Dimitrova R.**, Danchevski V., Egova E., Vladimirov E., Modelling the impact of vanish green areas on local meteorological conditions in Sofia, Bulgaria, Proc. of International Conference on Natural Science and Environment (ICNSE), 7-8 November 2018, Tokyo, Japan, ISSN (online): [http://www.worldresearchlibrary.org/up\\_proc/pdf/2093-154658219312-17.pdf](http://www.worldresearchlibrary.org/up_proc/pdf/2093-154658219312-17.pdf)
- Ventsislav Danchevski, **Reneta Dimitrova**, Evgeni Vladimirov, Evgenia Egova, Danko Ivanov, Comparison of urban mixing layer height from ceilometer, radiosonde and WRF model, *AIP Conference Proceedings 2075*, Todor M. Mishonov and Albert M. Varonov, AIP Publishing, 2019, pp. 120005-0, ISBN:978-0-7354-1803-5, doi:<https://doi.org/10.1063/1.5091263>
- Ventsislav Danchevski, **Reneta Dimitrova**, G. Guerova, D. Ivanov, P. Savov, N. Kolev, T. Evgenieva, P. Kaleyana, Determination of mixing layer height by ceilometer and radiosonde - some results from Sofia, Bulgaria, *IOP Conference series: Earth and Environmental Science*, 2018, pp. 1-7
- Dimitrova Reneta**, Z.Silver, T.Zsedrovits, H.J.S.Fernando, Numerical Simulations for Stably Stratified Flow in Complex Terrain for MATERHORN Field Program, *The Proceedings of the Third Bulgarian National Congress on Physical Sciences*, Heron Press Ltd., 2017, pp. 1-13
- Otárola-Bustos S., **Reneta Dimitrova**, Leo L.S., Alcañuz R., Escarriaza C., Yanez-Morróni G., Fernando H.J.S., On the Role of the Andes on

- Weather Patterns and Related Environmental Hazards in Chile, Proc. of the 96th American Meteorological Society Annual Meeting, 2016, pp. 1-9, doi:<https://ams.confex.com/ams/96Annual/webprogram/Paper284162.html>
- Dimitrova Reneta**, Silver Z., Fernando H.J.S., Leo L., Di Sabatino S., Hocut C., Zsedrovits T., Intercomparison between different PBL options in WRF model: modification of two PBL schemes for stable conditions, Proc. of the 94th American Meteorological Society Annual Meeting, 2014, ISSN (online): [https://ams.confex.com/ams/Paper230298/16.3\\_Dimitrova\\_AMS\\_2014.pdf](https://ams.confex.com/ams/Paper230298/16.3_Dimitrova_AMS_2014.pdf)
- Dimitrova Reneta**, Fernando H. J. S., Silver Z., Leo L. S., Hocut C., Zsedrovits T., Di Sabatino S., Modification of Yonsei University boundary layer scheme in Weather Research and Forecasting meso-scale model for stable conditions, Proc. of Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes (HARMO16) conference, 2014
- Fernando H.J.S., **Dimitrova Reneta**, Sentic S., Climate Change Meets Urban Environment, National Security and Human Health Implications of Climate Change NATO Science for Peace and Security Series C: Environmental Security, Fernando, H.J.S., Klaić, Z., McCulley, J.L., 2012, pp. 115-133, doi: 10.1007/s10666-010-9236-0
- Dimitrova Reneta**, Hedquist B.C., Hyde P., Fernando H.J.S., Anderson J., Air Quality Modeling in Support of Children's Health Studies, Proc. of the 89th American Meteorological Society Annual Meeting, 2009
- Dimitrova Reneta**, Fernando H. J. S., Hedquist B.C., Hyde P., Anderson J., Modelling and monitoring of PM10 in a semi-arid/arid area in support of health assessment study, Proc. of the 27th American Association of Aerosol Research AAAR Annual Conference, 2008
- Ganev K., **Reneta Dimitrova**, Todorova A., Sirakov D., Miloshev N., Prodanova M., Dilution and Transformation Processes of the Air Pollution from the Road Transport – Study of the Models-3 System Sensitivity to Transport Scales and Resolution, Proc. of the 11th Intern. Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, 2007
- Syrakov D., Ganev K., **Dimitrova Reneta**, Todorova A., Prodanova M., Miloshev N., Local to Regional Dilution and Transformation Processes of the Emissions from Road Transport, Proc. of the 29th International Technical Meeting on Air Pollution Modelling and its Applications, 2007
- Reneta Dimitrova**, Richards K., Weeks M., Vardoulakis S., Siny J.F., Schatzmann M., Borrego C., Evaluation of the wind field around buildings – numerical modelling study, Proc. of the 6th Intern. Conference on Urban Climate, 2006
- Reneta Dimitrova**, Sini J.-F., Richards K., Schatzmann M., CFD investigation of airflow around a simple obstacle with single heating wall, Proc. of the Atmospheric Sciences and Air Quality Conference, 2005
- Vardoulakis S., **Reneta Dimitrova**, Richards K., Hamlyn D., Camilleri G., Weeks M., Sini J.F., Britter R., Borrego C., Schatzmann M., Moussiopoulos N., Numerical model inter-comparison for a single block building within ATREUS, Proc. of the 10th Intern. Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, 2005
- Richards K., Schatzmann M., Leitl B., **Dimitrova Reneta**, Sini J.F., Wind tunnel modelling of thermal effects within the vicinity of a single block building with leeward wall heating: a validation study, Proc. of the 5th Intern. Conference on Urban Air Quality, 2005
- Ganev K., **Reneta Dimitrova**, Miloshev N., Air flows and pollution transport in the Sofia valley under some typical background conditions, Proc. of the XXVI International Technical Meeting on Air Pollution Modelling and its Applications, 2004, pp. 593-594
- Dimitrova Reneta**, Ganev K., Simple pollution transport model with parameterized vertical structure, NATO ARW on "Air Pollution Processes in Regional Scale", NATO Science Series IV. Earth and Environmental Sciences, v.30, Kluwer Acad. Publ., 2003, pp. 45-54
- Gromkova N, Ganev K., Yordanov D., Georgieva E., **Reneta Dimitrova**, Miloshev N., Dispersion regulatory model for designing new industrial stacks – software, Proc. of the 8th Intern. Conf. on Harmonization within Atmospheric Dispersion Modelling for Regulatory purposes, 2002, pp. 180-184
- Ganev K., **Reneta Dimitrova**, Study of the effects of the Rila and Rhodope mountains on the mesoscale pollution transport, Proc. of the XXIII International Technical Meeting on Air Pollution Modelling and its Applications, 2000, pp. 721-722