

## Papers

### 2017

Stojić, A., Stanišić Stojić, S., 2017. The innovative concept of three-dimensional hybrid receptor modeling, *Atmospheric Environment*, 164, 216-223.

Baldacchini C., Castanheiro A., Maghakyan N., Sgrigna G., Verhelst J., Alonso R., Amorim H.J., Bellan P., Breuste J., Bühler O., Cântar C.I., Cariñanos P., Carriero G., Churkina G., Dinca L., Esposito R., Gawroński W.S., Kern M., Le Thiec D., Moretti M., Ningal T., Rantzoudi C.E., Sinjur I., Stojanova B., Aničić Urošević M., Velikova V., Živojinović I., Sahakyan L., Calfapietra C., and Samson R.: How does the amount and composition of PM deposited on *Platanus acerifolia* leaves change across different cities in Europe? *Environmental Science and Technology* 51 (2017) pp. 1147-1156. (M21a, IF: 5.393).

Perišić, M., Maletić, D., Stojić, S. S., Rajšić, S., & Stojić, A. (2017). Forecasting hourly particulate matter concentrations based on the advanced multivariate methods. *International Journal of Environmental Science and Technology*, 14(5), 1047-1054.

Milićević, T., Relić, D., Škrivanj, S., Tešić, Ž., & Popović, A. (2017). Assessment of major and trace element bioavailability in vineyard soil applying different single extraction procedures and pseudo-total digestion. *Chemosphere*, 171, 284-293.

### 2016

Lazić, L., Aničić Urošević, M., Mijić, Z., Vuković, G. and Ilić, L. (2016). Traffic contribution to air pollution in urban street canyons: Integrated application of the OSPM, moss biomonitoring and spectral analysis. *Atmospheric Environment*. doi:10.1016/j.atmosenv.2016.07.008

Granados-Muñoz, M. J., Navas-Guzmán, F., Guerrero-Rascado, J. L., Bravo-Aranda, J. A., Biniotoglou, I., Pereira, S. N., ... & Comerón, A. (2016). Profiling of aerosol microphysical properties at several EARLINET/AERONET sites during the July 2012 ChArMEX/EMEP campaign. *Atmospheric Chemistry and Physics*, 16(11), 7043-7066.

Goryainova Z., Vuković G, Aničić Urošević M., Vergel K., Ostrovnaya T., Frontasyeva M., Zechmeister H.: Assessment of vertical element distribution in street canyons using the moss *Sphagnum girgensohnii*: A case study in Belgrade and Moscow cities, *Atmospheric Pollution Research* (2016), doi:10.1016/j.apr.2016.02.013

Stanišić Stojić, S., Stanišić, N., Stojić, A. (2016). Temperature-related mortality estimates after accounting for the cumulative effects of air pollution in an urban area. *Environmental Health* 15(1), 73.

Stanišić Stojić, S., Stanišić, N., Stojić, A., Džamić, V. (2016). Sezonske varijacije smrtnosti od kardiovaskularnih, respiratornih i malignih oboljenja na području Beograda. *Stanovništvo*. Accepted for publication.

Perišić, M., Rajšić, S., Šoštarić, A., Mijić, Z., & Stojić, A. (2016). Levels of PM10-bound species in Belgrade, Serbia: spatio-temporal distributions and related human health risk estimation. *Air Quality, Atmosphere & Health*, 1-11. doi: 10.1007/s11869-016-0411-6

Stojić, A., Stanišić Stojić, S., Reljin, I., Čabarkapa, M., Šoštarić, A., Perišić, M., & Mijić, Z. (2016). Comprehensive analysis of PM10 in Belgrade urban area on the basis of long term measurements, *Environmental Science and Pollution Research*, 23(11), 10722-10732.

Vukovic G., Anicic Urošević M., Škrivanj S., Milicevic T., Dimitrijevic D., Tomašević M., Popovic A. (2016): Moss bag biomonitoring of airborne toxic element decrease on a small scale: a street study in Belgrade, Serbia, *Science of the Total Environment*, 542:394–403.

Svetlana Stanišić Stojic, Nemanja Stanišić, Andreja Stojic, Andrej Šoštaric. (2016). Single and combined effects of air pollutants on circulatory and respiratory system-related mortality in Belgrade, Serbia. *Journal of Toxicology and Environmental Health, Part A*, 1-11. DOI 10.1080/15287394.2015.1101407

Šoštaric, A., Stojic, A., Stojic, S. S., & Gržetic, I. (2016). Quantification and mechanisms of BTEX distribution between aqueous and gaseous phase in a dynamic system. *Chemosphere*, 144, 721-727.

## 2015

I. Biniotoglou, S. Basart, L. Alados-Arboledas, V. Amiridis, A. Argyrouli, H. Baars, J. M. Baldasano, D. Balis, L. Belegante, J. A. Bravo-Aranda, P. Burlizzi, V. Carrasco, A. Chaikovskiy, A. Comerón, G. D'Amico, M. Filioglou, M. J. Granados-Muñoz, J. L. Guerrero-Rascado, L. Ilic, P. Kokkalis, A. Maurizi, L. Mona, F. Monti, C. Muñoz-Porcar, D. Nicolae, A. Papayannis, G. Pappalardo, G. Pejanovic, S. N. Pereira, M. R. Perrone, A. Pietruczuk, M. Posyniak, F. Roca-den Bosch, A. Rodríguez-Gómez, M. Sicard, N. Siomos, A. Szkop, E. Terradellas, A. Tsekeri, A. Vukovic, U. Wandinger, and J. Wagner. (2015). A methodology for investigating dust model performance using synergistic EARLINET/AERONET dust concentration retrievals. *Atmospheric Measurement Techniques Discussions*, 8(4), 3605-3666.

Isidora Deljanin, Davor Antanasijevic, Gordana Vukovic, Mira Anicic Urošević, Milica Tomašević, Aleksandra Peric-Grujic, Mirjana Ristic (2015): Lead spatio-temporal pattern identification in urban microenvironments using moss bags and the Kohonen self-organizing maps, *Atmospheric Environment* 117 (2015) 180-186.

Gordana Vukovic, Mira Anicic Urošević, Miodrag Pergal, Milan Jankovic, Zoya Goryainova, Milica Tomašević & Aleksandar Popovic (2015): Residential heating contribution to persistent air pollutants (PAHs, trace and rare earth elements): A moss bag case study, *Environmental Science and Pollution Research*, DOI: 10.1007/s11356-015-5096-0.

Todorovic, M. N., Perisic, M. D., Kuzmanoski, M. M., Stojic, A. M., Sostaric, A. I., Mijic, Z. R., & Rajsic, S. F. (2015). Assessment of PM10 pollution level and required source emission reduction in Belgrade area. *Journal of Environmental Science and Health, Part A*, (ahead-of-print), 1-9.

Vukovic, G., Urošević, M. A., Goryainova, Z., Pergal, M., Škrivanj, S., Samson, R., & Popovic, A. (2015). Active moss biomonitoring for extensive screening of urban air pollution: Magnetic and chemical analyses. *Science of The Total Environment*, 521, 200-210.

Stojic, A., Maletic, D., Stojic, S. S., Mijic, Z., & Šoštaric, A. (2015). Forecasting of VOC emissions from traffic and industry using classification and regression multivariate methods, *Science of the Total Environment*, 521, 19-26.

Stojic, A., Stojic, S. S., Mijic, Z., Šoštaric, A., & Rajšić, S. (2015). Spatio-temporal distribution of VOC emissions in urban area based on receptor modeling. *Atmospheric Environment*, 106, 71-79.

Stojic, A., Stanišić Stojic, S., Šoštaric, A., Ilic, L., Mijic, Z., & Rajšić, S. (2015). Characterization of VOC sources in urban area based on PTR-MS measurements and receptor modelling, *Environmental Science and Pollution Research*, 22(17), 13137-13152.

Dmitrovic, S., Perišić, M., Stojic, A., Živkovic, S., Boljevic, J., Živkovic, J. N., ... & Mišić, D. (2015). Essential oils of two *Nepeta* species inhibit growth and induce oxidative stress in ragweed (*Ambrosia artemisiifolia* L.) shoots in vitro. *Acta Physiologiae Plantarum*, 37(3), 1-15.

I. Deljanin, D. Antanasijevic, M. Anicic Urošević, M. Tomašević, Z. Sekulic, A. Peric-Grujic, M. Ristic (2015): Selected trace element concentrations in ambient air and in horse chestnut leaves in Belgrade, *Chemical Industry and Chemical Engineering Quarterly - CiCeQ*, Vol 21, 169-178. (M23, IF: 0.553).

## 2014

A. Papayannis, D. Nicolae, P. Kokkalis, I. Binietoglou, C. Talianu, L. Belegante, G. Tsaknakis, M.M. Cazacu, I. Vetres, L. Ilic Optical, size and mass properties of mixed type aerosols in Greece and Romania as observed by synergy of lidar and sunphotometers in combination with model simulations: *Science of the Total Environment* 500–501 (2014) 277–294 (M21, IF: 3.906)

Lazar Lazic, Goran Pejanovic, Momcilo Živkovic, Luka Ilic Improved wind forecasts for wind power generation using the Eta model and MOS (Model Output Statistics) method *Energy* 73 (2014) 567-574 (M21, IF: 4.465)

Vukovic G., Anicic Urošević M., Tomašević M., Samson R., Popovic A. 2014: Biomagnetic monitoring of urban air pollution using moss bags (*Sphagnum girgensohnii*), *Ecological Indicators*, doi: 10.1016/j.ecolind.2014.11.018 (M21, IF: 3.230)

Perišić, M., Stojic, A., Stojic, S. S., Šoštaric, A., Mijic, Z., & Rajšić, S. (2014). Estimation of required PM10 emission source reduction on the basis of a 10-year period data. *Air Quality, Atmosphere & Health*, 1-11. doi: 10.1007/s11869-014-0292-5 (M23, IF: 1.455)

Stanišić Stojic, S. M., Ignjatovic, L. M., Popov, S., Škrivanj, S., Đorđević, A. R., & Stojic, A. (2014). Heavy metal accumulation in wheat and barley: The effects of soil presence and liquid manure amendment. *Plant Biosystems*, 1-17. doi: 10.1080/11263504.2014.976288 (M22, IF: 1.912)

Isidora V. Deljanin, Milica N. Tomašević, Mira P. Anicic Urošević, Davor Z. Antanasijevic, Aleksandra A. Peric-Grujic, Mirjana Đ. Ristic 2014. Lead isotopic composition in tree leaves as tracers of lead in an urban environment, *Ecological Indicators* 45 (2014) 640–647. (M21, IF: 2.890).

Vukovic G., Anicic Urošević M., Razumenic I., Kuzmanoski M., Pergal M., Škrivanj S., Popovic A. 2014: Air quality in urban parking garages (PM10, major and trace elements, PAHs): Instrumental measurements vs. Active moss biomonitoring, *Atmospheric Environment*, 85, 31-40. (M21, IF: 3.11).

Kuzmanoski Maja M., Todorovic Marija N., Anicic Urošević Mira P., Rajšić Slavica F. 2014. Heavy metal content of soil in urban parks of Belgrade, *Chemical Industry* 60, DOI:10.2298/HEMIND131105001K (M23, IF: 0.463). <http://www.doiserbia.nb.rs/issue.aspx?issueid=2108>

## 2013

Katarina Kocic, Tijana Spasic, Mira Anicic Urošević, Milica Tomašević (2013) Trees as natural barriers against heavy metal pollution and their role in the protection of cultural heritage, *Journal of Cultural Heritage*, DOI : 10.1016/j.culher.2013.05.001 (M23, IF: 1.176)

Katarina Kocic, Tijana Spasic, Mira Anicic Urošević, Milica Tomašević (2013). Zeleni pojas oko Narodne biblioteke Srbije kao prirodna barijera od urbanog zagadenja vazduha metalima (V, Cd, As, Cr, Fe, Ni, Cu, Zn i Pb), *Arheografski prilozi 34 (Mélanges archéographiques)*, pp. 203-219. [http://www.nb.rs/view\\_file.php?file\\_id=3541](http://www.nb.rs/view_file.php?file_id=3541)

Vukovic G., Anicic Urošević M., Razumenic I., Goryainova Z., Frontasyeva M., Tomašević M., Popovic A.: Active moss biomonitoring of small-scale spatial distribution of airborne major and trace elements in the Belgrade urban area, *Environmental Science and Pollution Research*, (2013) 20:5461–5470. (M21, IF: 2.651)

## 2012

Mijic Zoran, Stojic Andreja, Perisic Mirjana, Rajsic Slavica, Tasic Mirjana, Receptor modeling studies for the characterization of PM10 pollution sources in Belgrade, *Chemical Industry and Chemical Engineering Quarterly*, 2012 **OnLine-First** (00):108-108, DOI:10.2298/CICEQ120104108M

M. Tomašević, D. Antanasijević, M. Anicic, I. Deljanin, A. Peric-Grujic, M. Ristic (2013): Lead concentrations and isotope ratios in urban tree, *Ecological Indicators* 24, pp. 504-509.

*Z.Mijic, M. Tasic, S. Rajšic, A. Stojic, Primena hibridnih receptorskih modela za ispitivanje transporta PM10 cestica na područje Beograda, Glasnik Hemicara, Tehnologa i ekologa Republike Srpske, Vol 7, 41- 48, (2012)*

## 2011

Anicic M., Spasic T., Tomašević M., Rajšic S., Tasic M. (2011) Trace element accumulation and temporal trends in leaves of urban deciduous trees (*Aesculus hippocastanum* & *Tilia* spp.), *Ecological Indicators* 11, 824–830

M. Tomašević, M. Anicic, Lj. Jovanovic, A. Peric-Grujic, M. Ristic (2011) Deciduous tree leaves in trace elements biomonitoring: A contribution to methodology, *Ecological Indicators* 11, 1689–1695

Gorelova SV, Frontasyeva MV, Yurukova L, Coskun M, Pantelica A, Saitanis CJ, M. Tomašević MN, Anicic MP (2011): Revitalization of urban ecosystems through vascular plants: preliminary results from the BSEC-PDF project, *AGROCHIMICA*, vol. 55 No. 2, pp. 65-84.

M. Tomašević, M. Anicic (2011) Trace element content in urban tree leaves and SEM-EDAX characterization of deposited particles, *Facta Universitatis Series: Physics, Chemistry and Technology* Vol. 8, No 1, 2010, pp. 1 – 13 DOI: 10.2298/FUPCT1001001T

## 2010

Šucur Katarina, Anicic Mira, Tomašević Milica, Antanasijević Davor, Peric-Grujic Aleksandra and Ristic Mirjana (2010) Urban deciduous tree leaves as biomonitors of trace element (As, V,

and Cd) atmospheric pollution in Belgrade, Serbia, *Journal of the Serbian Chemical Society* 75 (10), 1453-1461.

Z. Mijic, A. Stojic, M. Perišić, S. Rajšić, M. Tasic, M. Radenkovic, J. Joksic: Seasonal variability and source apportionment of metals in the atmospheric deposition in Belgrade, *Atmospheric Environment* 44 (2010), 3630-3637.

## 2009

Zoran Mijic, Mirjana Tasic, Slavica Rajšić and Velibor Novakovic, The statistical characters of PM10 in Belgrade area, *Atmospheric Research*, 92 (2009) 420-426

M. Anicic, M. Tasic, M.V. Frontasyeva, M. Tomašević, S. Rajšić, Z.Mijic, A. Popovic, Active Moss Biomonitoring of Trace Elements with Sphagnum girgensohnii Moss Bags in Relation to Atmospheric Bulk Deposition in Belgrade, Serbia, *Environmental. Pollution*, 157 (2009), 673-679.

M. Anicic, M. Tasic, M. V. Frontasyeva, M. Tomašević, S. Rajšić, L. P. Strelkova, A. Popovic and E. Steinnes Active biomonitoring with wet and dry moss: a case study in an urban area , *Environmental Chemistry Letters*, (2009) 7: 55-60

M. Anicic, M.Tasic, S.Rajsic, A.Popovic, M.V.Frontasyeva, S.Lierhagen, E. Steinnes, Monitoring of trace element atmospheric deposition using dry and wet moss bags-Accumulation capacity versus exposure time. *Journal of Hazardous Materials* 171 (2009) 182-188.

## 2008

D. Popovic, D. Todorovic, M. Frontasyeva, J. Ajtic, M. Tasic, S. Rajsic, Radionuclides and heavy metals in Borovac, Southern Serbia, *Environmental science and pollution research*, Vol.15, No.6 (2008) 509-520

Slavica Rajšić, Zoran Mijic, Mirjana Tasic, Mirjana Radenkovic and Jasminka Joksic, Evaluation of the levels and sources of trace elements in urban particulate matter, *Environmental Chemistry Letters*, 2008, Volume 6, Number 2 , 95-100

M. Tomašević, Z. Vukmirovic, S. Rajšić, M. Tasic, B. Stevanovic, Contribution to biomonitoring of some trace metals by deciduous tree leaves in urban areas, *Environmental Monitoring Assessment*, (2008) 137:393-401

Dragan M. Markovic & Dragan A. Markovic & Anka Jovanovic & Lazar Lazic & Zoran Mijic, Determination of O3, NO2, SO2, CO and PM10 measured in Belgrade urban area, *Environ Monit Assess* (2008) 145:349-359

I Belic, A.Kovacevic, D.Vasiljevic, B.Panic, B.Jelenkovic, M.Tasic, LIDAR U DETEKCIJI AEROZAGAĐENJA, LID-2, Monografija, Izdavac: Institut za fiziku, Beograd, ISBN 978-86-82441-24-3, 2008, 106 strana

Belic Ilija, Vasiljevic Darko, Panic Bratimir, Kovacevic Aleksander, Pantelic Dejan, Jelenkovic Branislav, Tasic Mirjana, Prijemni opticki blok za LIDAR – LID 2, *Tehnika - Elektrotehnika*, vol. 57, br. 1, str. 7-13, 2008

Vasiljevic Darko, Belic Ilija, Panic Bratimir, Kovacevic Aleksander, Pantelic Dejan, Jelenkovic Branislav, Tasic Mirjana, Teleskop za LIDAR – LID 2, *Tehnika LXIII*, 2008 br.4, 1-6

## 2007

D.Todorovic, D.Popovic, S.Rajsic, M.Tasic, Radionuclides and Particulate Matter in Belgrade Air, In, Environmental Research Trends, ed. M.Cato, Nova Science Publishers, New York, ISBN-13: 978-1-60021-556-8; pp 271-301, 2007

M Tasic, S Rajsic, V Novakovic and Z Mijic, An assessment of air quality in Belgrade urban area: PM10, PM2.5 and trace metals, Workshop on Nonequilibrium Processes in Plasma Physics and Studies of the Environment, Journal of Physics: Conference Series 71, 2007, 012016, IOP Publishing, Bristol, UK, 13 pp, ISSN: 1742-6588, 2007

Vasiljevic D., Belic I., Panic B., Kovacevic A., Pantelic D., Jelenkovic B., Tasic M.: Projektovanje proširivaca snopa za LIDAR – LID 2, Tehnika Vol. LXII (Elektrotehnika Vol. 56), 2007., br. 3, str. 1 – 8.

Kovacevic A., Vasiljevic D., Belic I., Panic B., Pantelic D., Jelenkovic B., Tasic M., Podsystem za prikupljanje i pripremnu obradu podataka u lidar sistemu, Tehnika LXII (Elektrotehnika 56), 2007., br.4, 9 – 13

## 2006

Tasic M., Đuric-Stanojevic B., Rajšic S.F., Mijic Z., Novakovic V.T., Physico-chemical, Characterization of PM10 and PM2.5 in the Belgrade Urban Area, Acta Chimica Slovenica 53 (2006) 401-405.

M. Tasic, S.Rajšic, V.Novakovic, Z.Mijic, Atmosferski aerosoli i njihov uticaj na kvalitet vazduha u urbanim sredinama, Facta Universitatis, Univerzitet u Nišu, Vol.4, 1, 2006, 83-91

## 2005

M.N.Tomaševic, Z.B.Vukmirovic, S.F.Rajšic, M.D.Tasic, B Stevanovic Characterization of trace metal particles deposited on some deciduous tree leaves in an urban area, Chemosphere 61 (2005) 753-760

M.D.Tasic, S.F.Rajšic, V.T.Novakovic. Z.R.Mijic and M.N.Tomaševic. PM10 and PM2.5 Mass Concentration Measurements in Belgrade Urban Area, Physica Scripta. 2005, Vol.T118, 29.

## 2004

Rajsic S.F, Tasic M.D, Novakovic V.T, Tomaševic M.N (2004), First Assessment of the PM10 and PM2.5 Particulate Level in the Ambient Air of Belgrade City, Environmental Science & Pollution Research, 11 (3) (2004) 158-164

Z.Vukmirovic, I.Tošic, M.Tasic, S.Rajšic, Analysis of the Saharan dust regional transport, Meteorology and Atmospheric Physics, 85 (4) (2004), 265-273

Tomaševic, M., Rajšic, S., Đordevic, D., Tasic, M., Krstic, J., Novakovic, V., Heavy metals accumulation in tree leaves from urban areas, Environmental Chemistry letters, 2004, 2, 151-154.

Wroblewski T., Karwasz G.P., Nowakowska H., Mechlinska-Drewko T., Novakovic V.T., Petrovic Z.Lj.: Semiempirical analysis of electron scattering cross sections in N<sub>2</sub>O and CO<sub>2</sub>, Czechoslovak Journal of Physics 54, Supl. C, C742-C746 Part 4, (2004)

S.Rajšić, M.Tasic, D.M.Markovic, V.Novakovic, D.A.Markovic, M.Tomašević, Measurements of Atmospheric Particulate Matter and Ozone in Belgrade Urban Area, Central European Journal Occupational and Environmental Medicine, 2004, 9, Issue 2-3.

## **2003**

Mechlinska-Drewko J., Wróblewski T., Petrovic Z. Lj., Novakovic V., Karwasz G. P.: Electron scattering on N<sub>2</sub>O – from cross sections to diffusion coefficients, Radiation Physics and Chemistry, 68 (1-2), 205-209, (2003)

## **2002**

J.B. Vukovic, R. Antanasijevic, V. Novakovic, M. Tasic, Electron and Complementary Microscopical Studies of Nuclear Tracks in Solids, European Microscopy and Analysis, Issue 77, May 2002, 17-19

## **2001**

Mirjana D. Tasic, Slavica F. Rajšić, Velibor T. Novakovic, Milica N. Tomašević Contribution to the Methodology of Dry Deposition Measurements, Fresenius Environmental Bulletin, 10 (3) (2001) 305-309

M.Tomašević, S.Rajšić, V.Jovic, Z.Vukmirovic . (2001) "Trace Element Contamination of Tree Leaves in an Urban Area", Journal of Environmental Pollution and Ecology, 2 (2), 456-461

## **2000**

J.M.Marendic-Miljkovic, M.Tasic, S.Rajšić, Z.Vukmirovic, Precipitation onset detection with a rain sensor of improved sensitivity, Atmospheric Environment 34 (2000) 5175-5181.