

Lista de lucrări

a) Lista celor maximum 10 lucrări științifice relevante

1. MEREUȚĂ, A., AJTAI, N., RADOVICI, A. T., PAPAGIANNPOULOS, N., DEACONU, L. T., BOTEZAN, C. S., ȘTEFĂNIE, H. I., NICOLAE, D., AND OZUNU, A.: *A novel method of identifying and analysing oil smoke plumes based on MODIS and CALIPSO satellite data*, Atmos. Chem. Phys., 22, 5071–5098, <https://doi.org/10.5194/acp-22-5071-2022>, 2022
2. AJTAI, N., MEREUTA, A., ȘTEFANIE, H., RADOVICI, A., BOTEZAN, C., ZAWADZKA-MANKO, O., STACHLEWSKA, I.S., STEBEL, K., ZEHNER, C., *SEVIRI Aerosol Optical Depth Validation Using AERONET and Intercomparison with MODIS in Central and Eastern Europe*, Remote Sens. 2021, 13, 844, <https://doi.org/10.3390/rs13050844>
3. STEBEL, K., STACHLEWSKA, I.S., NEMUC, A., HORÁLEK, J., SCHNEIDER, P., AJTAI, N., DIAMANDI, A., BENEŠOVÁ, N., BOLDEANU, M., BOTEZAN, C., MARKOVÁ, J., DUMITRACHE, R., IRIZA-BURCĂ, A., JURAS, R., NICOLAE, D., NICOLAE, V., NOVOTNÝ, P., ȘTEFĂNIE, H., VANĚK, L., VLČEK, O., ZAWADZKA-MANKO, O., ZEHNER, C., *SAMIRA-Satellite Based Monitoring Initiative for Regional Air Quality*, Remote Sens. 2021, 13, 2219. <https://doi.org/10.3390/rs13112219>
4. AJTAI, N., ȘTEFĂNIE, H., MEREUȚĂ, A., RADOVICI, A., BOTEZAN, C., *Multi-Sensor Observation of a Saharan Dust Outbreak over Transylvania, Romania in April 2019*. Atmosphere 2020, 11, 364. <https://doi.org/10.3390/atmos11040364>
5. AJTAI, N., ȘTEFANIE, H., BOTEZAN, C., OZUNU, A., RADOVICI, A., DUMITRACHE, R., IRIZA-BURCĂ, A., DIAMANDI, A., HIRTL, M., 2019, *Support tools for land use policies based on high resolution regional air quality modelling*, Land use policy, <https://doi.org/10.1016/j.landusepol.2019.03.022>
6. ROBA, C., ȘTEFĂNIE, H., TÖRÖK, Z., KOVACS, M., ROȘU C., OZUNU A., 2014, *Determination of volatile organic compounds and particulate matter levels in an urban area from Romania*, Environmental Engineering and Management Journal, 13, 9/2014, 2261-2268, ISSN: 1582-9596, WOS:000347161400018;
7. AJTAI, N., ȘTEFANIE, H., OZUNU, A., 2013, *Description of aerosol properties over Cluj-Napoca derived from AERONET sun photometric data*, Environmental Engineering and Management Journal 2/2013, ISSN: 1582-9596
8. MARMUREANU, L., VASILESCU, J., ȘTEFANIE, H., TALIANU, C., 2017, *Chemical and optical characterization of submicronic aerosol sources*, Environmental Engineering and Management Journal, 16(9), pp. 2165-2172
9. H. I., ȘTEFĂNIE, A, RADOVICI, A. MEREUȚĂ, V. ARGHIUȘ, H. CĂMĂRĂȘAN, D. COSTIN, C. BOTEZAN, C. GÎNSCĂ, N AJTAI, 2023, *Variation of Aerosol Optical Properties over Cluj-Napoca, Romania, Based on 10 Years of AERONET Data and MODIS MAIAC AOD product*, Remote Sens. 2023, 15(12), 3072; <https://doi.org/10.3390/rs15123072>)
10. ȘTEFĂNIE H. I., AJTAI N., BOTEZAN C., ȚOANCĂ F., TÖRÖK Z., OZUNU A., 2015, *Detection of a desert dust intrusion over Cluj-Napoca, Romania using an elastic backscatter LIDAR system*. Ecoterra 12(2):50-55

b) Teza de doctorat

“Contribuții la studiul aerosolului atmosferic cu potențial periculos provenit din surse naturale și la analiza riscului asociat acestuia”, anul susținerii 2015, Universitatea Babeș-Bolyai din Cluj-Napoca

c) Cărți și capitole în cărți

-

d) Articole/studii, publicate în reviste din fluxul științific internațional principal

1. Ö K ÖRÜCÜ, H AZADI, E S ARSLAN, Ö K AKSOY, S CHOOBCHIAN, S N NOOGHABI, **H I STEFANIE**, Predicting the distribution of European Hop Hornbeam: application of MaxEnt algorithm and climatic suitability models, *European Journal of Forest Research* (2023) 142:579–591, <https://doi.org/10.1007/s10342-023-01543-2>
2. **H. I., ȘTEFĂNIE**, A, RADOVICI, A. MEREUȚĂ, V. ARGHIUȘ, H. CĂMĂRĂȘAN, D. COSTIN, C. BOTEZAN, C. GÎNSCĂ, N AJTAI, 2023, Variation of Aerosol Optical Properties over Cluj-Napoca, Romania, Based on 10 Years of AERONET Data and MODIS MAIAC AOD product, *Remote Sens.* 2023, 15(12), 3072; <https://doi.org/10.3390/rs15123072>).
3. MEREUȚĂ, A., AJTAI, N., RADOVICI, A. T., PAPAGIANNPOULOS, N., DEACONU, L. T., BOTEZAN, C. S., **ȘTEFĂNIE, H. I.**, NICOLAE, D., AND OZUNU, A.: *A novel method of identifying and analysing oil smoke plumes based on MODIS and CALIPSO satellite data*, *Atmos. Chem. Phys.*, 22, 5071–5098, <https://doi.org/10.5194/acp-22-5071-2022>, 2022
4. AJTAI, N., MEREUTA, A., **ȘTEFANIE, H.**, RADOVICI, A., BOTEZAN, C., ZAWADZKA-MANKO, O., STACHLEWSKA, I.S., STEBEL, K., ZEHNER, C., *SEVIRI Aerosol Optical Depth Validation Using AERONET and Intercomparison with MODIS in Central and Eastern Europe*, *Remote Sens.* 2021, 13, 844, <https://doi.org/10.3390/rs13050844>
5. STEBEL, K., STACHLEWSKA, I.S., NEMUC, A., HORÁLEK, J., SCHNEIDER, P., AJTAI, N., DIAMANDI, A., BENEŠOVÁ, N., BOLDEANU, M., BOTEZAN, C., MARKOVÁ, J., DUMITRACHE, R., IRIZA-BURCĂ, A., JURAS, R., NICOLAE, D., NICOLAE, V., NOVOTNÝ, P., **ȘTEFĂNIE, H.**, VANĚK, L., VLČEK, O., ZAWADZKA-MANKO, O., ZEHNER, C., *SAMIRA-Satellite Based Monitoring Initiative for Regional Air Quality*, *Remote Sens.* 2021, 13, 2219. <https://doi.org/10.3390/rs13112219>
6. DEHHAGHI, S.; CHOOBCHIAN, S.; GHOBADIAN, B.; FARHADIAN, H.; VIIRA, A.-H.; **ȘTEFANIE, H.I.**; VAN PASSEL, S.; AZADI, H., *Five-Year Development Plans of Renewable Energy Policies in Iran: A Content Analysis*. *Sustainability* 2022, 14, 1501. <https://doi.org/10.3390/su14031501>
7. AJTAI, N., **ȘTEFĂNIE, H.**, MEREUȚĂ, A., RADOVICI, A., BOTEZAN, C., *Multi-Sensor Observation of a Saharan Dust Outbreak over Transylvania, Romania in April 2019*. *Atmosphere* 2020, 11, 364. <https://doi.org/10.3390/atmos11040364>

8. AJTAI, N., **STEFANIE, H.**, BOTEZAN, C., OZUNU, A., RADOVICI, A., DUMITRACHE, R., IRIZA-BURCĂ, A., DIAMANDI, A., HIRTL, M., 2019, *Support tools for land use policies based on high resolution regional air quality modelling*, Land use policy, <https://doi.org/10.1016/j.landusepol.2019.03.022>
9. M. Y. Amouzouvi, M. M. Dzagli, **H. Ștefănie***, C. A. Roba, A. Mereuță, A. Ozunu, Sharon Sappor, 2019, Description and Comparison of Aerosol Properties over Cluj-Napoca - Romania and Koforidua – Ghana, Using Aeronet Network Data, *STUDIA UBB AMBIENTUM*, LXIV, 1, pp. 5-17, DOI:10.24193/subbambientum.2019.1.01
10. EL Nistor, A Bodor, MG Oprea, **H Ștefănie**, 2019, The impact of road traffic on the air quality in Cluj-Napoca: case study-north ring road Florești-Cluj-Napoca, , *Studia Universitatis Babes-Bolyai, Ambientum* 64 (2).
11. **H ȘTEFĂNIE**, C BOTEZAN, N AJTAI, A RADOVICI, A MEREUȚĂ, R PÂRLOAGĂ, L BELEGANTE, Optimization of lidar systems measurements for detection of clear air turbulence, *Studia Universitatis Babes-Bolyai, Ambientum*, 2019, 64/1
12. MARMUREANU, L., VASILESCU, J., **STEFANIE, H.**, TALIANU, C., 2017, Chemical and optical characterization of submicronic aerosol sources, *Environmental Engineering and Management Journal*, 16(9), pp. 2165-2172;
13. ARGHIUȘ, V., ARGHIUȘ, C., AJTAI, N., **ȘTEFĂNIE, H.** , The assesment of the risk induced by climatic changes on wastewater systems from Cluj county and the associated adaptation measures, *Riscuri și Catastrofe* 21 (2-2017), 61-72.
14. BELEGANTE, L., CAZACU, M., TIMOFTE, A., TOANCA, F., VASILESCU, J., RUSU, M., AJTAI, N., **STEFANIE, H.**, VETRES, I., OZUNU, A., GURLUI, S., 2015, *Romanian participation to the volcanic ash exercise VOLCEX 2014*, *Environmental Engineering and Management Journal*, Vol.14, No. 11, p. 2503 –2514, ISSN: 1582-9596
15. BOTEZAN, C.; OZUNU, A. L.; **STEFANIE, H.**, 2015, Vulnerability assessment: the case of the Aries river middle basin, *JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY* Volume: 16 Issue: 4, Pages: 1326-1336, WOS:000368864500011;
16. **ȘTEFĂNIE H. I.**, AJTAI N., BOTEZAN C., ȚOANCĂ F., TÖRÖK Z., OZUNU A., 2015, *Detection of a desert dust intrusion over Cluj-Napoca, Romania using an elastic backscatter LIDAR system*. *Ecoterra* 12(2):50-55
17. **ȘTEFĂNIE, H.**, AJTAI, N., OZUNU, A., 2014, *Long range transport of hazardous aerosol particles. Case study: intrusions over Romania*, *Bulletin of Romanian Chemical Engineering Society*, Vol. 1, Nr. 1, ISSN 2360-4697
18. ROBA, C., **ȘTEFĂNIE, H.**, TÖRÖK, Z., KOVACS, M., ROȘU C., OZUNU A., 2014, Determination of volatile organic compounds and particulate matter levels in an urban area from Romania, *Environmental Engineering and Management Journal*, 13, 9/2014, 2261-2268, ISSN: 1582-9596, WOS:000347161400018;
19. AJTAI, N., **STEFANIE, H.**, OZUNU, A., 2013, *Description of aerosol properties over Cluj-Napoca derived from AERONET sun photometric data*, *Environmental Engineering and Management Journal* 2/2013, ISSN: 1582-9596

20. AJTAI N., ȘTEFĂNIE H., STOIAN L. C., OPREA M. G., 2010, *The volcanic ash and its impact on European air transport industry. A case study on the detection and impact of the the Eyjafjallajökull volcanic ash plume over North-Western Europe between 14th and 21st April 2010*. AES Bioflux 2(1):57-68

e) publicații in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate

1. ȘTEFĂNIE, H., RADOVICI, A., MEREUȚĂ, A., CĂMĂRĂȘAN, H., AJTAI, N., Detection of local and long-range transported aerosol intrusions over Cluj-Napoca, Romania using multi-wavelength lidar measurements in spring 2022, The XXIInd International Multidisciplinary Scientific GeoConference Surveying, Geology and Mining, Ecology and Management, 3 – 10 iulie 2022.
2. V ARGHIUȘ, ȘTEFANIE H., L MUNTEAN, N BACIU, C ARGHIUȘ, Analysis of hydro-meteorological disasters in European Union countries in the period 2000-2021, International Multidisciplinary Scientific GeoConference: SGEM 22 (4.1), 255-261.
3. RADOVICI, A.; ȘTEFANIE, H.; OZUNU, A.; CĂMĂRĂȘAN, H.; AJTAI, N., Analysis of a Saharan Dust Intrusion over Central and Eastern Europe, using Ground-Based Remote Sensing Techniques (2021) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 21 (2.1), pp. 239-245.
4. C BOTEZAN, A RADOVICI, I AJTAI, I PIȘTEA, H ȘTEFĂNIE, 2021, The Necessity to Develop Vulnerability-Base Land Use Policies in Developing Countries. Case Study: Use of High Resolution Land Use Data in Romania, International Multidisciplinary Scientific GeoConference: SGEM, 21/5.1, Pg. 259-266.
5. MEREUȚĂ, A., AJTAI, N., ȘTEFĂNIE, H., BOTEZAN, C., OZUNU, A., 2019, Analysis of a Saharan Dust Plume over Cluj-Napoca, Romania, using Remote Sensing Techniques, Proceedings 19th International Multidisciplinary Scientific GeoConference SGEM 2019, Pages: 441-448, ISBN: 978-619-7408-80-5, ISSN: 1314-2704, Conference: 19th International Multidisciplinary Scientific GeoConference SGEM 2019, 30 June - 6 July, 2019, DOI: 10.5593/sgem2019/2.2/S10.054
6. RADOVICI, A., AJTAI, N., ȘTEFĂNIE, H., BOTEZAN, C., OZUNU, A., 2019, Alternative Routing for Anhydrous Ammonia Transportation: a Comparative Exposure Assessment, Proceedings 19th International Multidisciplinary Scientific GeoConference SGEM 2019, Pages: 51-59, ISBN: 978-619-7408-85-0, ISSN: 1314-2704, Conference: 19th International Multidisciplinary Scientific GeoConference SGEM 2019, 30 June - 6 July, 2019, DOI: 10.5593/sgem2019/5.2/S20.007
7. ȘTEFANIE, H., AJTAI, N., RADOVICI, A., ENE, D., BELEGANTE, L., Assessing the long term stability of the depolarization constant for the Cluj station, 2019, ILRC 29 Hefei, China.
8. CHAIKOVSKY, A., ... Horatiu ȘTEFANIE, ... et al., Synergetic Observations by Terrestrial and Space Lidar Systems and Aeronet Sun-Radiometers: A Step to Advanced Regional Monitoring of Large Scale Aerosol Changes, 2019, ILRC 29 Hefei, China.

9. AJTAI N., **ȘTEFĂNIE H.**, BOTEZAN C., OZUNU A., 2017, LIDAR applications for natural and technological risk assessment, Conferința Internațională ILRC28, Editura: Tehnopress, Editor: Doina Nicolae, Sabina Stefan, Liliana Preda, ISBN:978 -606 -687 -318 – 5
10. AJTAI, N. **ȘTEFANIE, H.**, ARGHIUS, V., MELTZER, M., COSTIN, D., 2017, *Characterization of Aerosol Optical and Microphysical Properties Over North-Western Romania In Correlation with Predominant Atmospheric Circulation Patterns*, 17th International Multidisciplinary Scientific Geoconference (SGEM 2017), ISSUE 41, <https://doi.org/10.5593/sgem2017/41>
11. KOVACS, A., **ȘTEFĂNIE, H.**, BOTEZAN, C., CRĂCIUN, I., OZUNU, A., 2017, Assesment of natural hazards in european countries with impact on young people, 2017, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 17(52), pp. 73-80;
12. **ȘTEFANIE, H I**; AJTAI, N; BOTEZAN, C; OZUNU, A, 2016, *Risk assessment methodology for atmospheric aerosol intrusions based on in-situ and remote sensing measurements*, 16th International Multidisciplinary Scientific Geoconference (SGEM 2016), ISBN:978-619-7105-64-3, ISSN: 1314-2704, VOL II, Book Series: International Multidisciplinary Scientific GeoConference-SGEM, pp: 531-538, WOS:000391348700068
13. NEMUC, A., BINIETOGLOU, I., ANDREI, S., DANDOCSI, A., **ȘTEFANIE, H.**, Multiyear aerosol study based on lidar and sunphotometer measurements in Romania, 2016, International Laser Radar Conference - ILRC 27, Book Series: EPJ Web of Conferences, Edited by: Gross, B; Moshary, F; Arend, M, , Volume: 119, Article Number: UNSP 24001, New York, USA, WOS:000386726600227;
14. **ȘTEFANIE, H.**, MARMUREANU, L., DANDOCSI, A., RADU, C., ȘTEFAN, S., 2015, Aerosol properties over Romania as seen by sunphotometer during 2014, SGEM2015 Proceedings, ISBN 978-619-7105-38-4 / ISSN 1314-2704, Book 4, pp 835 - 842. WOS:000371056000108;
15. TOANCA. F, **ȘTEFANIE. H.**, ANDREI, S., BARBU, N., NICOLAE, D., 2015, Analysis of fog events at Magurele – Romania using ground based equipments and air circulation, 15th International Multidisciplinary Scientific GeoConference SGEM 2015, , SGEM2015 Conference Proceedings, ISBN 978-619-7105-34-6 / ISSN 1314-2704, June 18-24, 2015, Book2 Vol. 1, 965-972 pp5. WOS:000371599500123;

NOTĂ: Pentru posibilitatea identificării articolelor în bazele de date internaționale (WoS/Scopus/ ErihPlus) conform fișei de îndeplinire a condițiilor:

A. Lucrări științifice indexate în WoS (19):

1. **H. I., ȘTEFĂNIE, A.**, RADOVICI, A. MEREUȚĂ, V. ARGHIUȘ, H. CĂMĂRĂȘAN, D. COSTIN, C. BOTEZAN, C. GÎNSCĂ, N AJTAI, 2023, Variation of Aerosol Optical Properties over Cluj-Napoca, Romania, Based on 10 Years of AERONET Data and MODIS MAIAC AOD product, Remote Sens. 2023, 15(12), 3072; <https://doi.org/10.3390/rs15123072>).
2. Ö K ÖRÜCÜ, H AZADI, E S ARSLAN, Ö K AKSOY, S CHOQBCHIAN, S N NOOGHABI, **H I ȘTEFANIE**, Predicting the distribution of European Hop Hornbeam: application of MaxEnt algorithm and

- climatic suitability models, *European Journal of Forest Research* (2023) 142:579–591, <https://doi.org/10.1007/s10342-023-01543-2>
3. MEREUȚĂ, A., AJTAI, N., RADOVICI, A. T., PAPAGIANNPOULOS, N., DEACONU, L. T., BOTEZAN, C. S., **ȘTEFĂNIE, H. I.**, NICOLAE, D., AND OZUNU, A.: A novel method of identifying and analysing oil smoke plumes based on MODIS and CALIPSO satellite data, *Atmos. Chem. Phys.*, 22, 5071–5098, <https://doi.org/10.5194/acp-22-5071-2022>, 2022
 4. AJTAI, N., MEREUTA, A., **STEFANIE, H.**, RADOVICI, A., BOTEZAN, C., ZAWADZKA-MANKO, O., STACHLEWSKA, I.S., STEBEL, K., ZEHNER, C., SEVIRI Aerosol Optical Depth Validation Using AERONET and Intercomparison with MODIS in Central and Eastern Europe, *Remote Sens.* 2021, 13, 844, <https://doi.org/10.3390/rs13050844>
 5. STEBEL, K., STACHLEWSKA, I.S., NEMUC, A., HORÁLEK, J., SCHNEIDER, P., AJTAI, N., DIAMANDI, A., BENEŠOVÁ, N., BOLDEANU, M., BOTEZAN, C., MARKOVÁ, J., DUMITRACHE, R., IRIZA-BURCĂ, A., JURAS, R., NICOLAE, D., NICOLAE, V., NOVOTNÝ, P., **ȘTEFĂNIE, H.**, VANĚK, L., VLČEK, O., ZAWADZKA-MANKO, O., ZEHNER, C., SAMIRA-Satellite Based Monitoring Initiative for Regional Air Quality, *Remote Sens.* 2021, 13, 2219. <https://doi.org/10.3390/rs13112219>
 6. DEHHAGHI, S.; CHOUBCHIAN, S.; GHOBADIAN, B.; FARHADIAN, H.; VIIRA, A.-H.; **STEFANIE, H.I.**; VAN PASSEL, S.; AZADI, H., Five-Year Development Plans of Renewable Energy Policies in Iran: A Content Analysis. *Sustainability* 2022, 14, 1501. <https://doi.org/10.3390/su14031501>
 7. AJTAI, N., **ȘTEFĂNIE, H.**, MEREUȚĂ, A., RADOVICI, A., BOTEZAN, C., Multi-Sensor Observation of a Saharan Dust Outbreak over Transylvania, Romania in April 2019. *Atmosphere* 2020, 11, 364. <https://doi.org/10.3390/atmos11040364>
 8. AJTAI, N., **STEFANIE, H. (correspondent)**, BOTEZAN, C., OZUNU, A., RADOVICI, A., DUMITRACHE, R., IRIZA-BURCĂ, A., DIAMANDI, A., HIRTL, M., 2019, Support tools for land use policies based on high resolution regional air quality modelling, *Land use policy*, <https://doi.org/10.1016/j.landusepol.2019.03.022>
 9. MARMUREANU, L., VASILESCU, J., **STEFANIE, H.**, TALIANU, C., 2017, Chemical and optical characterization of submicronic aerosol sources, *Environmental Engineering and Management Journal*, 16(9), pp. 2165-2172;
 10. BELEGANTE, L., CAZACU, M., TIMOFTE, A., TOANCA, F., VASILESCU, J., RUSU, M., AJTAI, N., **STEFANIE, H.**, VETRES, I., OZUNU, A., GURLUI, S., 2015, Romanian participation to the volcanic ash exercise VOLCEX 2014, *Environmental Engineering and Management Journal*, Vol.14, No. 11, p. 2503 –2514, ISSN: 1582-9596
 11. BOTEZAN, C.; OZUNU, A. L.; **STEFANIE, H.**, 2015, Vulnerability assessment: the case of the Aries river middle basin, *JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY* Volume: 16 Issue: 4, Pages: 1326-1336, WOS:000368864500011;
 12. ROBA, C., **ȘTEFĂNIE, H.**, TŐRŐK, Z., KOVACS, M., ROȘU C., OZUNU A., 2014, Determination of volatile organic compounds and particulate matter levels in an urban area from Romania, *Environmental Engineering and Management Journal*, 13, 9/2014, 2261-2268, ISSN: 1582-9596, WOS:000347161400018;
 13. AJTAI, N., **STEFANIE, H.**, OZUNU, A., 2013, Description of aerosol properties over Cluj-Napoca derived from AERONET sun photometric data, *Environmental Engineering and Management Journal* 2/2013, ISSN: 1582-9596;
 14. **STEFANIE, H I**; AJTAI, N; BOTEZAN, C; OZUNU, A, 2016, Risk assessment methodology for atmospheric aerosol intrusions based on in-situ and remote sensing measurements, 16th International Multidisciplinary Scientific Geoconference (SGEM 2016), ISBN:978-619-7105-64-3, ISSN: 1314-2704, VOL II, Book Series: International Multidisciplinary Scientific GeoConference-SGEM, pp: 531-538, WOS:000391348700068

15. NEMUC, A., BINIETOGLOU, I., ANDREI, S., DANDOCSI, A., STEFANIE, H., Multiyear aerosol study based on lidar and sunphotometer measurements in Romania, 2016, International Laser Radar Conference - ILRC 27, Book Series: EPJ Web of Conferences, Edited by: Gross, B; Moshary, F; Arend, M, , Volume: 119, Article Number: UNSP 24001, New York, USA, WOS:000386726600227;
16. **STEFANIE, H.**, MARMUREANU, L., DANDOCSI, A., RADU, C., STEFAN, S., 2015, Aerosol properties over Romania as seen by sunphotometer during 2014, SGEM2015 Proceedings, ISBN 978-619-7105-38-4 / ISSN 1314-2704, Book 4, pp 835 - 842. WOS:000371056000108;
17. TOANCA, F., **STEFANIE, H.**, ANDREI, S., BARBU, N., NICOLAE, D., 2015, Analysis of fog events at Magurele – Romania using ground based equipments and air circulation, 15th International Multidisciplinary Scientific GeoConference SGEM 2015, , SGEM2015 Conference Proceedings, ISBN 978-619-7105-34-6 / ISSN 1314-2704, June 18-24, 2015, Book2 Vol. 1, 965-972 pp5. WOS:000371599500123;
18. **STEFANIE, H.**, AJTAI, N., RADOVICI, A., ENE, D., BELEGANTE, L., Assessing the long term stability of the depolarization constant for the Cluj station, 2019, ILRC 29 Hefei, China.
19. CHAIKOVSKY, A., ... **Horatiu STEFANIE**, ... et al., Synergetic Observations by Terrestrial and Space Lidar Systems and Aeronet Sun-Radiometers: A Step to Advanced Regional Monitoring of Large Scale Aerosol Changes, 2019, ILRC 29 Hefei, China.

B. lucrări științifice indexate în Scopus (8):

1. **ȘTEFĂNIE, H.**, RADOVICI, A., MEREUȚĂ, A., CĂMĂRĂȘAN, H., AJTAI, N., Detection of local and long-range transported aerosol intrusions over Cluj-Napoca, Romania using multi-wavelength lidar measurements in spring 2022, The XXIInd International Multidisciplinary Scientific GeoConference Surveying, Geology and Mining, Ecology and Management, 3 – 10 iulie 2022.
2. V ARGHIUȘ, **STEFANIE H.**, L MUNTEAN, N BACIU, C ARGHIUȘ, Analysis of hydro-meteorological disasters in European Union countries in the period 2000-2021, International Multidisciplinary Scientific GeoConference: SGEM 22 (4.1), 255-261.
3. RADOVICI, A.; **STEFANIE, H.**; OZUNU, A.; CĂMĂRĂȘAN, H.; AJTAI, N., Analysis of a Saharan Dust Intrusion over Central and Eastern Europe, using Ground-Based Remote Sensing Techniques (2021) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 21 (2.1), pp. 239-245.
4. C BOTEZAN, A RADOVICI, I AJTAI, I PIȘTEA, **H ȘTEFĂNIE**, 2021, The Necessity to Develop Vulnerability-Base Land Use Policies in Developing Countries. Case Study: Use of High Resolution Land Use Data in Romania, International Multidisciplinary Scientific GeoConference: SGEM, 21/5.1, Pg. 259-266.
5. MEREUȚĂ, A., AJTAI, N., **ȘTEFĂNIE, H.**, BOTEZAN, C., OZUNU, A., 2019, Analysis of a Saharan Dust Plume over Cluj-Napoca, Romania, using Remote Sensing Techniques, Proceedings 19th International Multidisciplinary Scientific GeoConference SGEM 2019, Pages: 441-448, ISBN: 978-619-7408-80-5, ISSN: 1314-2704, Conference: 19th International Multidisciplinary Scientific GeoConference SGEM 2019, 30 June - 6 July, 2019, DOI: 10.5593/sgem2019/2.2/S10.054
6. RADOVICI, A., AJTAI, N., **ȘTEFĂNIE, H.**, BOTEZAN, C., OZUNU, A., 2019, Alternative Routing for Anhydrous Ammonia Transportation: a Comparative Exposure Assessment, Proceedings 19th International Multidisciplinary Scientific GeoConference SGEM 2019, Pages: 51-59, ISBN: 978-619-7408-85-0, ISSN: 1314-2704, Conference: 19th International

Multidisciplinary Scientific GeoConference SGEM 2019, 30 June - 6 July, 2019, DOI: 10.5593/sgem2019/5.2/S20.007.

7. AJTAI, N. **STEFANIE, H.**, ARGHIUS, V., MELTZER, M., COSTIN, D., 2017, Characterization of Aerosol Optical and Microphysical Properties Over North-Western Romania In Correlation with Predominant Atmospheric Circulation Patterns, 17th International Multidisciplinary Scientific Geoconference (SGEM 2017), ISSUE 41, <https://doi.org/10.5593/sgem2017/41>
8. KOVACS, A., **ȘTEFĂNIE, H.**, BOTEZAN, C., CRĂCIUN, I., OZUNU, A., 2017, Assesment of natural hazards in european countries with impact on young people, 2017, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 17(52), pp. 73-80;

C. lucrări științifice indexate în ErihPlus (1):

1. ARGHIUȘ, V., ARGHIUȘ, C., AJTAI, N., **ȘTEFĂNIE, H.** , The assesment of the risk induced by climatic changes on wastewater systems from Cluj county and the associated adaptation measures, *Riscuri și Catastrofe* 21 (2-2017), 61-72.