

Lista de lucrări

Cărți publicate:

1. MIȘCA, B.R.H., AJTAI, N., 2013, *Caiet de seminar pentru disciplina Fenomene de transfer și operații unitare în ingineria mediului*, Editura EFES, Cluj-Napoca, ISBN: 978-606-526-145-7
2. TÖRÖK, Z., AJTAI, N., OZUNU, A., 2011, *Aplicații de calcul pentru evaluarea riscului producerii accidentelor industriale majore ce implică substanțe periculoase*, Editura EFES, Cluj-Napoca, ISBN: 978-606-526-078-8

Articole publicate:

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. PAPAGIANNPOULOS, N., D'AMICO, G., GIALITAKI, A., AJTAI, N., ALADOS-ARBOLEDAS, L., AMODEO, A., AMIRIDIS, V., BAARS, H., BALIS, D., BINIETOGLU, I., COMERÓN, A., DIONISI, D., FALCONIERI, A., FRÉVILLE, P., KAMPOURI, A., MATTIS, I., MIJIĆ, Z., MOLERO, F., PAPAYANNIS, A., PAPPALARDO, G., RODRÍGUEZ-GÓMEZ, A., SOLOMOS, S., AND MONA, L., *An EARLINET early warning system for atmospheric aerosol aviation hazards*, *Atmos. Chem. Phys.*, 20, 10775–10789, <https://doi.org/10.5194/acp-20-10775-2020>.
5. 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>
6. 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>

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. MODOI, O.C., AJTAI, N., ROBA, C., CIOBOTARIU, C., MIHAIESCU, T., 2017, *Assessment of Heavy Metals Leaching from Different Types of Waste Mixed with Molasses - 17th International Multidisciplinary Scientific Geoconference (SGEM 2017)*, ISSUE 11, <https://doi.org/10.5593/sgem2017/11>
9. 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
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
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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
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15. MĂRMUREANU, L., DEACONU, L., VASILESCU, J., AJTAI, N., TALIANU, C., 2013, *Combined optoelectronic methods used in the monitoring of SO₂ emissions and imissions*, Environmental Engineering and Management Journal 2/2013, ISSN: 1582-9596
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22. CHERECHEȘ, R.M., RUS, D., AJTAI, N., ȘIRLINCAN, E.O., *Traffic Injury Prevention in Cluj-Napoca, Romania*, Injury Prevention, 2010, 16:1 Supp., p. A147
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