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### **Domenii de cercetare**

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Meteorologie (observații și măsurători topoclimatice)  
Sinoptică (analiza situațiilor generatoare de risc)  
Hazarde și riscuri climatice

### **Proiecte de cercetare**

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Fenomene meteorologice extreme asociate temperaturii aerului și precipitațiilor atmosferice în România, UEFISCDI, 2015-2017, membru.

### **Publicații (selecții)**

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#### **Articole publicate în jurnale indexate în baze de date internaționale ()**

1. **Tudose Traian**, Moldovan Florin-Dimitrie-Nicolae, *Riscuri asociate evoluției vremii în bazinul hidrografic Somes-Tisa în luna iulie 2005*, DOAJ, <http://www.doaj.org/>, Riscuri si Catastrofe Nr. 2, 2005, P.89-98

2. **Tudose Traian**, Moldovan Florin-Dimitrie-Nicolae, *Consideratii asupra regimului vantului in zona inalta a Masivului Vladeasa*, [http://www.studia.ubbcluj.ro/serii/geographia/geographia\\_eval\\_en.html](http://www.studia.ubbcluj.ro/serii/geographia/geographia_eval_en.html), Studia UBB, Geographia, Nr. 1, 2006, P.107-116
3. **Tudose Traian**, Moldovan Florin-Dimitrie-Nicolae, *Perioada caniculara 16-25 iulie 2007 in Romania*, DOAJ, <http://www.doaj.org/>, Riscuri si Catastrofe Nr. 4 , 2007, P.111-120
4. **Tudose Traian**, Moldovan Florin-Dimitrie-Nicolae, *Caracteristici termice ale iernii 2006-2007 in partea de nord-vest a Romaniei*, [http://www.studia.ubbcluj.ro/serii/geographia/geographia\\_eval.html](http://www.studia.ubbcluj.ro/serii/geographia/geographia_eval.html), Studia UBB, Geographia, Nr. 1, 2008, P.13-22
5. Moldovan Florin-Dimitrie-Nicolae, **Tudose Traian**, *Diurnal Variation and Duration of Significant Summer Rains in North-Western Romania*, [www.infocercetare@staff.ubbcluj.ro](http://www.infocercetare@staff.ubbcluj.ro), Studia UBB, Geographia, Nr. 2, 2009, P.49-62
6. Moldovan Florin-Dimitrie-Nicolae, **Tudose Traian**, *The Intensity of Significant Rainfalls in the Warm Season in the North-Western Part of Romania*, [www.infocercetare@staff.ubbcluj.ro](http://www.infocercetare@staff.ubbcluj.ro), Studia UBB, Geographia, Nr. 3, 2009, P.56-63
7. **Tudose Traian**, Moldovan Florin-Dimitrie-Nicolae, *The diurnal variability of the water amounts fallen during significant rains in North-Western Romania*, [http://www.studia.ubbcluj.ro/serii/geographia/geographia\\_eval\\_en.html](http://www.studia.ubbcluj.ro/serii/geographia/geographia_eval_en.html), Studia UBB, Geographia, Nr. 2, 2010, P.39-46
8. Haidu Ionel, **Tudose Traian**, *Validation of several tmospheric stability indices for storms generating torrential rain showers in the north-west of Romania*, EBSCO, <http://www.ebscohost.com/titleLists/e5h-coverage.htm>, STUDIA UBB GEOGRAPHIA, 2014, P.37-46
9. NITOAIA Andrei, Serban Gheorghe, **Tudose Traian**, NACU Simion, RANDASU-BEURAN Sorin, *The influence of atmospheric circulation, shape and catchment area position on the amplitude and effects of the August 2005 flash-flood (Ozana and Cracau rivers)*, DOAJ , <https://doaj.org/toc/2069-7694> , Riscuri si Catastrofe , 2016, P.57-67

### **Volume coordonate internațional**

1. Serban Gheorghe, Croitoru Adina-Eliza, Holobaca Iulian-Horea, Batinas Razvan-Horatiu, Horvath Csaba, **Tudose Traian**, *Air and Water - Components of the Environment Conference Proceedings*, Casa Cartii de Stiinta, 2015, P. 545
2. Serban Gheorghe, Batinas Razvan-Horatiu, Croitoru Adina-Eliza, Holobaca Iulian-Horea, Horvath Csaba, **Tudose Traian**, *Air and Water - Components of the Environment Conference Proceedings*, Casa Cartii de Stiinta, 2016, P. 438

### **Participări la conferințe**

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1. **Tudose Traian**, Moldovan Florin-Dimitrie-Nicolae, *Corelatii intre parametrii ploilor semnificative si altitudine, in zona de nord-vest a Romaniei*, Aerul si apa componente ale mediului, Presa Universitara Clujeana, Editor: Gavril Pandi si Florin Moldovan, ISSN 2067-743x, <http://www.doaj.org/doaj?func=openurl&genre=journal&issn=2067743X>, 2010, P. 54-60
2. **Tudose Traian**, Moldovan Florin-Dimitrie-Nicolae, *Characteristics of heavy rainfall parameters in the North-Western Romania*, Aerul si apa componente ale mediului, Presa Universitara Clujeana, Editor: Gavril Pandi si Florin Moldovan, ISSN 2067-743X, <http://www.doaj.org/doaj?func=issueTOC&isId=113299&uiLanguage=en>, 2011, P. 91-98

3. **Tudose Traian**, Haidu Ionel, *Some aspects of the relationship between synoptic-scale wind and convective cells motion generating heavy rains in the north-western Romania*, Aerul si apa componente ale mediului, Presa Universitara Clujeana, Editor: Gavril Pandi si Florin Moldovan, ISSN 2067-743X, <http://www.doaj.org/doi?func=issueTOC&isId=131656&uiLanguage=en>, 2012, P. 273-280
4. **Tudose Traian**, Moldovan Florin-Dimitrie-Nicolae, *The severe weather situations of 9-10 June 2012 in north-western Romania*, Aerul si apa componente ale mediului, Presa Universitara Clujeana, Editor: Gavril Pandi si Florin Moldovan, ISSN 2067-743X, <http://www.doaj.org/doi?func=openurl&genre=journal&issn=2067743X>, 2013, P. 209-216
5. **Tudose Traian**, Croitoru Adina-Eliza, Haidu Ionel, *Some Aspects on Rainfall Maximum Intensity in Northwestern Romania*, International Multidisciplinary Scientific Geoconference SGEM 2013, STEF92 Tehnology Ltd., 1 "Andrey Lyapchev" Blvd., 1797 Sofia, Bulgaria, 978-619-7105-03-02, DOI:10.5593/SGEM2013/BD4/S19.034, 2013, P. 771-778
6. **Tudose Traian**, Moldovan Florin-Dimitrie-Nicolae, *The role of air advection and atmospheric stability indices for identifying heavy rain storms in north-western Romania*, Air and Water Components of the Environment Conference, Presa Universitara Clujeana, ISSN: 2067-743X, <http://search.ebscohost.com/>, 2015, P. 133-140
7. Maier Narcis, **Tudose Traian**, *Statistical analysis of convective storms based on Oradea and Bobohalma WSR-98D radar in July 2004-2015*, Air and water Components of the environment, Presa Universitara Clujeana, Editor: Gheorghe Serban, Razvan Batinas, Adina Croitoru, Iulian Holobaca, Csaba Horvath, Traian Tudose, ISSN 2067-743X, <http://www.doaj.org/>, 2016, P. 92-99
8. Moldovan Florin-Dimitrie-Nicolae, Pandi Gavril, Vigh Melinda-Timea, **Tudose Traian**, *Risques induits par la crue exceptionnelle des 21-22 juin 2010 dans les Gorges de Turda (Monts Apuseni, Roumanie)*, XXIVeme Colloque de L'Association Internationale de Climatologie "Climat Montagnard et Risques, Rovereto, Italia, 6-10 septembre 2011, Universita di Ferrara, Italia, Editor: M. Fazzini, G. Beltrando, 2011, P. 417-421
9. **Tudose Traian**, Serban Eugenia, HARPA Gabriela - Victoria, *Climate variability of the rainy periods between 1961 and 2013, in Maramures, Romania*, International Multidisciplinary Scientific Geoconference SGEM 2016, STEF92 Tehnology Ltd., 51 "Alexander Malinov" Blvd., 1712 Sofia, Bulgaria, 978-619-7105-64-3, DOI: 10.5593/sgem2016B42, 2016, P. 275-282
10. **Tudose Traian**, Croitoru Adina-Eliza, HARPA Gabriela - Victoria, Scripca Sabina Andreea, *Some characteristics of maximum annual and seasonal quantities of rainfall registered in 24 hours in Romania*, International Multidisciplinary Scientific Geoconference SGEM 2016, STEF92 Tehnology Ltd., 51 "Alexander Malinov" Blvd., 1712 Sofia, Bulgaria, 978-619-7105-64-3, DOI: 10.5593/sgem2016B42, 2016, P. 555-56