

Lecturer PhD Andra COSTACHE

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Research interests

Social geography

Human vulnerability to environmental change and extreme events

Research activity

- Principal investigator in the following research projects:

Human vulnerability to environmental change in the mining communities from Romanian Carpathians. Case study of the Jiu Valley, funded by *The David and Lucile Packard Foundation*, through *The Global Change System for Analysis, Research and Training (START, SUA)*, 2004-2005

Human settlements vulnerability and social risks in the Petrosani Depression, Grant CNCSIS TD no. 152/09.10.2007 (2007-2009)

- Member in the research team:

Project *Flood vulnerability of settlements and environment in Romania within the context of global environmental change (VULMIN)*, 2012-2016, funded by the Ministry of Education and Research (Partnerships Programme PN II)

- PhD thesis: *Human settlements vulnerability and social risks in the Petrosani Depression* (Romanian Academy, Institute of Geography, 2009, PhD thesis supervisor Prof. Dr. Dan Bălțeanu).

Representative books

- Tanislav, D., Costache, Andra, (2007), *Geografia hazardelor naturale și antropice*, Transversal, Târgoviște, 158 p., ISBN 978-973-7798-42-8
- Alexe, Rădița, Cocean P., Costache Andra, (2010), *Geografia regională a Americii*, Transversal, Târgoviște, 129 p., ISBN 978-606-8042-66-4
- Costache Andra, (2010), *Vulnerabilitatea așezărilor umane și riscurile sociale în Depresiunea Petroșani: rezumatul tezei de doctorat*, Valahia University Press, Târgoviște, 108 p., ISBN 978-973-1955-66-7

Representative papers

- Bălțeanu, D., Costache, Andra, (2006), *Conceptul de vulnerabilitate. Aplicații în geografie*, Revista Geografică, tom 12, ISSN 1224-256X, pp. 5-12
- Costache, Andra, Alexe, Rădița, Tanislav, Dănuț, (2012), *Cultural Landscapes in the Petroșani Depression (Southern Carpathians, Romania)*, în *Landscapes: Perception, Knowledge, Awareness, and Action*, Volume 2/2012, Addleton Academics Publishers, New York, ISBN 978-1-935494-53-9, pp. 71-81
- Costache, Andra, (2013), *Quantitative Assessment of the Human Vulnerability to Environmental Change and Extreme Events in the Petroșani Depression*

- (*Southern Carpathians, Romania*), 3th SGEM GeoConference on Ecology, Economics, Education And Legislation, SGEM2013 Conference Proceedings, ISBN 978-619-7105-04-9 / ISSN 1314-2704, June 16-22, 2013, Vol. 1, 789 - 796 pp., <http://www.sgem.org/SGEMLIB/spip.php?article3356>
- Popovici, Elena Ana, Costache, Andra, Bălțeanu, D., Dogaru, Diana, Sima, Mihaela, (2013), *Vulnerability Assessment of Rural Communities to Floods in the Western Part of Romania (Banat Plain)*, 13th SGEM GeoConference on Ecology, Economics, Education And Legislation, SGEM2013 Conference Proceedings, ISBN 978-619-7105-04-9 / ISSN 1314-2704, June 16-22, 2013, Vol. 1, 1161 - 1168 pp., <http://sgem.org/sgemlib/spip.php?article3404>
 - Costache, Andra, Alexe Rădița, (2013), *A Quantitative Assessment of the Social Marginalization in Romania*, World Academy of Science, Engineering and Technology, International Journal of Social Science and Engineering Vol:7 No:11, 2013, pp. 252-259, <http://waset.org/publications/17314/a-quantitative-assessment-of-the-social-marginalization-in-romania>
 - Costache, Andra, Bălțeanu, D., Sima, Mihaela, Dumitrașcu, Monica, Grigorescu, Ines, Dragotă, Carmen, (2014), *A Community-Based Assessment of the Exposure to Environmental Change and Extreme Events in the Banat Plain (Romania)*, 14th SGEM GeoConference on Ecology, Economics, Education And Legislation, SGEM2014 Conference Proceedings, ISBN 978-619-7105-17-9 / ISSN 1314-2704, June 19-25, 2014, Vol. 1, 3-10 pp., DOI: 10.5593/SGEM2014/B51/S20.001
 - Costache, Andra, Sencovici, Mihaela, Murărescu, O., (2014), *Land Use and Land Cover Change in Dambovita County, Romania (1990-2012)*, 14th SGEM GeoConference on Ecology, Economics, Education And Legislation, SGEM2014 Conference Proceedings, ISBN 978-619-7105-17-9 / ISSN 1314-2704, June 19-25, 2014, Vol. 1, 405-412 pp., DOI: 10.5593/SGEM2014/B51/S20.055
 - Bălțeanu, D., Micu, Dana, Costache, Andra, Dogaru, Diana, Perșu, Mihaela, (2015), *SOCIO-ECONOMIC VULNERABILITY TO FLOODS AND FLASH-FLOODS IN THE BEND SUBCARPATHIANS, ROMANIA*, 15th International Multidisciplinary Scientific GeoConference SGEM 2015, SGEM2015 Conference Proceedings, ISBN 978-619-7105-36-0 / ISSN 1314-2704, June 18-24, 2015, Book3 Vol. 1, 577-584 pp, DOI: 10.5593/SGEM2015/B31/S12.074
 - Costache, Andra, Sencovici, Mihaela, (2015), *INFLUENCE OF THE SOCIO-DEMOGRAPHIC VARIABLES ON ENVIRONMENTAL PERCEPTION. CASE STUDY: TARGOVISTE (DAMBOVITA COUNTY, ROMANIA)*, 15th International Multidisciplinary Scientific GeoConference SGEM 2015, , SGEM2015 Conference Proceedings, ISBN 978-619-7105-39-1 / ISSN 1314-2704, June 18-24, 2015, Book5 Vol. 1, 431-438 pp, DOI: 10.5593/SGEM2015/B51/S20.056

Teaching activity

Courses: *Social and cultural geography, Vulnerability of ecosystems to global change*