

Curriculum vitae



Personal information

First name / Last name **Ionuț Cristi NICU**

Address(es) Str. Calea Iașului nr. 5, bl. O2, sc. A, ap. 1, Pașcani (Iași) – home address
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Nationality Romanian

Date and place of birth 07 April 1986, Tg. Frumos

Gender Male

Workplace / Research Scientist / Adjunct lecturer occupation or position held

Period 1 September 2016 – present

Occupation or position held **Research scientist**

Name and address of employer „Alexandru Ioan Cuza” University of Iași, Interdisciplinary Research Department – Field Science, St. Lascar Catargi 54, 700107, Iași, Romania

Main activities and responsibilities Research activities within the Interdisciplinary Research Department – Field Science (geography, geoarchaeology, GIS, archaeological topography, geophysics)

Period 1 June 2015 – present

Occupation or position held **Adjunct Lecturer (Academic Level B)**

Name and address of employer Flinders University, School of Humanities and Creative Arts, Faculty of Education, Humanities and Law, Sturt Road, Bedford Park, SA 5042, GPO Box 2100, Adelaide SA, Australia

Main activities and responsibilities Education, research

Period 2 February 2009 – 31 August 2016

Occupation or position held **Assistant researcher**

Name and address of employer „Alexandru Ioan Cuza” University of Iași, Interdisciplinary Research Department – Field Science, St. Lascar Catargi 54, 700107, Iași, Romania

Main activities and responsibilities Research activities within the Interdisciplinary Research Department – Field Science (geography, geoarchaeology, GIS, archaeological topography, geophysics)

Period 1 February – 30 June 2007

Occupation or position held **Assistant topographer**

Main activities and responsibilities Topographic surveys with total station, GPS and processing the data with AutoCAD

Name and address of employer Arcadis TGH, Blvd. Carol I 4B, 700505, Iași, Romania.

Education and training

Period **15 February – 15 March 2016**

Qualification / awarded diploma Open2Study Online Course in *Principles of Project Management (ProjMgt)*, Open University: Melbourne, Australia (by Sue Dowson)

Period **15 February – 15 March 2016**

Qualification / awarded diploma Open2Study Online Course in *Indigenous Studies: Australia and New Zealand (INDG)*, Open University: Melbourne, Australia (by Assoc. Prof. Dr. Maggie Walter and Assoc. Prof. Dr. Huia Tomlins-Jahnke)

Period **12 January – 16 February 2016**

Qualification / awarded diploma Massive Open Online Course in *Global Social Archaeology (expanded edition)*, Kyushu University, Japan (by prof. Koji Mizoguchi and prof. Claire Smith).

Period **1 October 2010 – 6 December 2013**

Qualification / awarded diploma Ph.D. Degree in *Physical Geography*, Faculty of Geography and Geology, Alexandru Ioan Cuza University of Iași.

Period **1 October 2008 – 1 July 2010**

Qualification / awarded diploma M.A. Degree *Natural risks and Space Planning*, Faculty of Geography and Geology, Alexandru Ioan Cuza University of Iași.

Period **1 October 2005 – 30 June 2008**

Qualification / awarded diploma B.A. Degree in *Geography*, Faculty of Geography and Geology, Alexandru Ioan Cuza University of Iași.

Period **12 – 16 February 2007**

Qualification / awarded diploma Training courses and diploma for using the Leica TPS1200 total station, GNSS Leica GX1230 system and Leica GeoOffice software, Bucharest – S.C. TOPGEOCART S.R.L.

Period **12 – 14 February 2008**

Qualification / awarded diploma Training courses and diploma for using the GPR system, Sweden – Malå Geoscience.

Period **3 – 26 November 2008**

Qualification / awarded diploma Training courses and diploma for using ArcGIS 9.3 (ArcGIS 9.3 user), Romania – ESRI.

Period **3 – 9 July 2011**

Qualification / awarded diploma Training courses and diploma for participating to “Radiography of the past: non-destructive approaches to complex archaeological sites: geophysical and geomorphological survey”, EC FP7 Programme “People” – Marie Curie Actions IAPP, Project Radio-Past, Second Specialisation Forum, Portugal – Ammaia.

Domains of competence Geomorphology, hydrology, natural hazard and risk assessment, topography, cartography, GIS, geoarchaeology, geophysics, archaeological topography, cultural heritage, Eneolithic archaeology

Driving license B category

Computer skills and competences GIS software (TNTMips, ArcGIS, AutoCAD, Surfer, Global Mapper, Rad Explorer, Leica Geo Office Tools/Combined), Microsoft Office package (Word, Excel, PowerPoint), graphics (CorelDraw, Corel PHOTO-PAINT).

Scientific and research activities Author and co-author of 18 scientific papers and one book.
Coordinator of scientific grants (*Fluvial processes and sediment dynamics of slope channel systems: Impacts of socio economic and climatic change on river system characteristics and related services*, Acronym: **FLUMEN**, Marie Curie Actions People International Research Staff Exchange Scheme – IRSES), <http://flumen-irses.eu/>
Member in 4 national research projects, 4 national research grants and 4 archaeological service contracts

Member in national and international scientific societies Member of EGEA (European Geography Association), since 2010.
Member of SRA (Romanian Society of Archaeometry), since 2012.
Member of WAC (World Archaeological Congress, membership no. 4332), since 2012.
Member of APECS (Association of Polar Early Career Scientists), since 2012.
Member of ARLG (Romanian Association of Limnogeography), since 2012.
Member of SCI (Service Civil International Voluntary Projects), since 2013.
Member of AgAG (Applied Geography Association GEOCONCEPT), since 2013.
Member of MIRAS (Social Organization in Support of Studying of Cultural Heritage), since 2013.
Member of FAS (Flinders Archaeological Society), since 2013.

Member in organizatory committees (symposiums, congresses) First Arheoinvest Congress *Interdisciplinary Research in Archaeology*, Iași, 10-11 June 2011, http://arheoinvestcongress.uaic.ro/eng/?page_id=40
Second Arheoinvest Congress *Interdisciplinary Research in Archaeology*, Iași, 7-9 June 2012, http://arheoinvestcongress.uaic.ro/eng/?page_id=41
Fourth Arheoinvest Symposium *International Symposium on transport in prehistory*, Iași, 25-26 April 2013, <http://arheoinvestsymposium.uaic.ro/eng/?cat=79>
Third Arheoinvest Congress *Interdisciplinary Research in Archaeology*, Iași, 6-8 June 2013, http://arheoinvestcongress.uaic.ro/eng/?page_id=42
Fifth Arheoinvest Symposium *Stories Written in Stone – International Symposium on Chert and other Knappable Materials*, Iași, 20-25 August 2013, <http://arheoinvestsymposium.uaic.ro/stone/stories-written-in-stone/>

Annexes Annex 1 Research projects/Grants
Annex 2 Scientific presentations and congresses participation
Annex 3 Scientific papers
Annex 4 Expeditions, field schools and other scientific activities

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<https://uaic.academia.edu/NicuCristi>
https://www.researchgate.net/profile/Ionut_Cristi_Nicu
http://www.science.research.uaic.ro/?page_id=29&lang=en
<http://arheoinvest.uaic.ro/en/about/people/ionut-cristi-nicu/>

ANNEX 1 RESEARCH PROJECTS/GRANTS

1. *Non-invasive archaeological investigation using GPR in the historical center of Botoșani city*, contract with Bucovina Museum Complex Suceava, no. 4382/30.09.2008, director: lecturer PhD VasileCotiugă (**member**).
2. *3D scanning and topographic surveys for settlements from Tinosu, Tangâru, Sălcuța, Popești and Stelnica*, contract with the Institute of Archaeology Bucharest, no. 1007/02.07.2008, director: lecturer PhD NeculaiBolohan (**member**).
3. *Non-invasive archaeological prospections with Cesium Magnetometer G 858 and GPR Mală on the A2 Medgidia-Constanța motorway (km 195+500 and 197+000, km 197+700 and 198+700)*, no. 3746/24.02.2011, beneficiary S.C. DEPROM S.R.L. Constanța, director: lecturer PhD Vasile Cotiugă (**member**).

4. Research program *PLATFORME DE FORMARE ȘI CERCETARE INTERDISCIPLINARĂ: Arheoinvest*, director: prof. univ. PhD. Victor Spinei (2006-2008), no. CNC SIS: 36 (**member**).
5. Research program *PARTENERIATE*, project director, coordinator: PhD Radian Andreescu (National Museum of History, Romania); project director partner „Al. I. Cuza” University of Iași, lecturer PhD VasileCotiugă, no. 92101/1.10.2008 (**member**).
6. *Management plans for Natura 2000 sites: ROSCI0255 (Dersca Peat, Botoșani county), ROSCI0391 (SiretulMijlociu – Bucecea, Botoșani county and Suceava county: Hântești), ROSPA0049 (ponds from Ibăneșei-Bășeu-Podrigani valley, Botoșani county)*, end date 15 April 2015 (**GIS expert**).
7. *Non-destructive investigations in complex archaeological sites. An integrated model of applied research of the immobile cultural heritage* (acronym PROSPECT, CNCS Grant 2014-2016, <http://arheoinvest.uaic.ro/research/prospect/>) (**member**).

ANNEX 2

SCIENTIFIC PRESENTATIONS AND CONGRESSES PARTICIPATION

1. Neculai Bolohan, Bogdan Venedict, **Ionuț Cristi Nicu**, Andrei Asăndulesei, Radu Balaur – *Archaeologic atlas. 3D and topographic applications*, International colloquy Romanian archaeological atlas since Paleolithic till year 1000 p. Chr., Bucharest, 9–11 October, 2008.
2. Neculai Bolohan, Bogdan Venedict, **Ionuț Cristi Nicu**, Andrei Asăndulesei, Radu Balaur – *Topographic applications in archaeology*, "Alexandru Ioan Cuza" University of Iași Days, October 2008.
3. Gheorghe Romanescu, Vasile Cotiugă, Bogdan Venedict, **Ionuț Cristi Nicu**, Andrei Asăndulesei, Radu Balaur – *Applications of 3D scanner in geomorphology*, Papers of the „Dimitrie Cantemir” International Geographical Seminar, XXVIII edition, "Alexandru Ioan Cuza" University of Iași, 17–19 October 2008.
4. Cristian-Dan Lesenciuc, Ciprian Mânzu, **Ionuț Cristi Nicu**, Alin Mihu-Pintilie – *Preliminary geographical notes above Iezer Lake from Feredeue Mountains*, Papers of the „Dimitrie Cantemir” International Geographical Seminar, (Geomorphology-Pedology section), XXIX edition, "Alexandru Ioan Cuza" University of Iași, 16–18 October 2009.
5. Cristian-Dan Lesenciuc, Ciprian Mânzu, **Ionuț Cristi Nicu**, Alin Mihu-Pintilie – *Periglacial relief contribution in formation of a lake cuvette in Giumalău massif*, Papers of the „Dimitrie Cantemir” International Geographical Seminar, (Climatology-Hydrology section), XXIX edition, "Alexandru Ioan Cuza" University of Iași, 16–18 October 2009.
6. Vasile Cotiugă, Bogdan Venedict, **Ionuț Cristi Nicu**, Andrei Asăndulesei, Radu Balaur – *Magnetometric prospections in Gumelnița settlements from Neajlov Valley*, XXXII National session of scientific paperworks *Acta Moldaviae Meridionalis*, County Museum Ștefancel Mare, Vaslui, 19–20 November 2009.
7. Vasile Cotiugă, Bogdan Venedict, **Ionuț Cristi Nicu**, Andrei Asăndulesei, Radu Balaur – *3D topography of some Gumelnița settlements*, XXXII National session of scientific paperworks *Acta Moldaviae Meridionalis*, County Museum Ștefancel Mare, Vaslui, 19–20 November 2009.
8. **Ionuț Cristi Nicu**, Gheorghe Romanescu – *The use of Leica TCR 1201 total station in the mapping of the Red Lake basin (Eastern Carpathians) and of the adjacent wetland*, Romanian water resources. Vulnerability to the anthropic pressures, Târgoviște, 11–13 June, 2010.
9. Cristian-Dan Lesenciuc, Alin Mihu-Pintilie, **Ionuț Cristi Nicu**, Daniel Condorachi – *Iezer Lake geomorphological characteristics from Feredeue Mountain*, Romanian water resources. Vulnerability at the anthropic pressures, Târgoviște, 11–13 June, 2010.
10. Adrian Felix Tencariu, Andrei Asăndulesei, Diana Măriuca Vornicu, **Ionuț Cristi Nicu**, Neculai Bolohan – *Geophysic prospections in Bronze Age settlement from Siliștea, Neamț County*, National Conference “Oltenia. Cultural Interferences”, 1st edition, Craiova, 7–8 October 2010.
11. Cristian-Dan Lesenciuc, Alin Mihu-Pintilie, **Ionuț Cristi Nicu** – *River deposits production of small hydrographic basins from flysch mountains*, Papers of the „Dimitrie Cantemir” International Geographical Seminar, (Geomorphology-Pedology section), XXX edition, "Alexandru Ioan Cuza" University of Iași, Department of Geography, 15–17 October, 2010.
12. **Ionuț Cristi Nicu**, Gheorghe Romanescu – *The use of total station in the evaluation of geomorphological risks – case study: Băiceni-Cucuteni Museum gully*, the 5th International Symposium „Present Environment and Sustainable Development 2010”, "Alexandru Ioan Cuza" University of Iași, Department of Geography, 15–17 October.
13. Andrei Asăndulesei, Bogdan Venedict, **Ionuț Cristi Nicu**, Radu Balaur, Vasile Cotiugă, Cătălin Bem – *Magnetometric prospections in Gumelnița settlements*, National Symposium of Archaeometry, Bucharest, 28–29 October 2010.
14. Felix-Adrian Tencariu, Andrei Asăndulesei, Bogdan Venedict, **Ionuț Cristi Nicu**, Radu Balaur, Măriuca Vornicu, Ana Petronela Crețu, Vasile Cotiugă, Lăcrămioara Istina – *Geophysic prospections in Precucuteni and Cucuteni settlements* (poster), National Symposium of Archaeometry, Bucharest, 28–29 October 2010.
15. Andrei Asăndulesei, Ludmila Bacumenco, Vasile Cotiugă, Felix Adrian Tencariu, **Ionuț Cristi Nicu**, Bogdan Venedict, Radu Balaur, Ion Ursu – *Magnetic prospections in medieval settlement from Lozova, Strășeni county, Republic of Moldavia*, International Scientific Conference: Actual problems of archaeology, ethnology and art studies, Chișinău, 29 October 2010.

16. Vasile Cotiugă, Felix-Adrian Tencariu, Andrei Asăndulesei, Bogdan Venedict, Radu Balaur, Diana Măriuca Vornicu, Ana Petronela Crețu, **Ionuț Cristi Nicu** – *Geophysic prospections in eneolithic settlements from Romania*, "Alexandru Ioan Cuza" University of Iași Days, October 2010.
17. Cătălin Bem, Vasile Cotiugă, Andrei Asăndulesei, Bogdan Venedict, **Ionuț Cristi Nicu**, Radu Balaur – *A possible model of <construction> of small dimension tells. Preliminary data*, 1st Archaeology Symposium with the theme "Downstream Danube tells" (special regards at Giugiu County and its surroundings), Giurgiu, 25 November 2010.
18. Andrei Asăndulesei, Diana Măriuca Vornicu, Felix-Adrian Tencariu, **Ionuț Cristi Nicu**, Neculai Bolohan – *Interdisciplinary researches in Bronze Age settlement from Siliștea, Neamț County*, Scientific Communications Session of "Ștefancel Mare" Museum, Vaslui, 26–27 November 2010.
19. **Ionuț Cristi Nicu**, Gheorghe Romanescu – *Determination of ground-water level by using modern non-destructive methods (GPR technology)*, Air and water components of the environment, Cluj-Napoca, 18–19 March 2011.
20. Neculai Bolohan, Andrei Asăndulesei, Felix-Adrian Tencariu, Vlad Rumega, **Ionuț Cristi Nicu** – *Siliștea (Neamț county) – Actual problems and results of the non-destructive investigation*, National colloquy Actual problems of the Bronze age research in Romania, Iași, 29 March 2011.
21. Cristian-Dan Lesenciuc, **Ionuț Cristi Nicu** – *Clogging rate estimation of Iezer Lake from Feredeul Mountains using DEM*, 27th National Symposium of Geomorphology, 5th Section – Mountain area problems, Craiova, 19–21 May 2011.
22. Cătălin Bem, Andrei Asăndulesei, Carmen Bem, Bogdan Venedict, **Ionuț Cristi Nicu**, Vasile Cotiugă, Cătălin Nicolae, Eugen Paraschiv – *Identity in diversity. Photogrammetry, 3D laser scanning and magnetometric analysis on Gumelnița tells of Muntenia (Romania)*, First Arheoinvest Congress Interdisciplinary Research in Archaeology, "Alexandru Ioan Cuza" University of Iași, 10–11 June 2011.
23. Neculai Bolohan, Andrei Asăndulesei, Felix-Adrian Tencariu, Silviu Gania, **Ionuț Cristi Nicu**, Vlad Rumega – *From Shovel to non-invasive sciences. Investigating a Bronze Age site in Western Moldavia*, First Arheoinvest Congress Interdisciplinary Research in Archaeology, "Alexandru Ioan Cuza" University of Iași, 10–11 June 2011.
24. Ion Niculiță, Vasile Cotiugă, Aurel Zanoci, Andrei Asăndulesei, Gheorghe Romanescu, Felix-Adrian Tencariu, Bogdan Venedict, Ștefan Caliniuc, Radu-Ștefan Balaur, **Ionuț Cristi Nicu** – *Magnetometric prospections in the Thraco-Getae fortress from Saharna Mare, Rezina district, Republic of Moldova*, First Arheoinvest Congress Interdisciplinary Research in Archaeology, "Alexandru Ioan Cuza" University of Iași, 10–11 June 2011.
25. **Ionuț Cristi Nicu** – *New directions in geomorphologic research and not only. Developing new directions in Romania*, EGEA White Sea Geomorphology Seminar. Geomorphology of high latitudes, Nikolai Pertsov White Sea Biological Station, Kandalaksha, Russia, 28 August–5 September 2011.
26. Cristian-Dan Lesenciuc, **Ionuț Cristi Nicu** – *The use of GPR in relief modelling. Case study: Iezer lake from Feredeul Mountains*, Papers of the „Dimitrie Cantemir” International Geographical Seminar, (Geomorphology-Pedology section), XXXI edition, 14–16 October 2011, "Alexandru Ioan Cuza" University of Iași.
27. Radu-Ștefan Balaur, Ana Petronela Crețu, Silviu Gania, **Ionuț Cristi Nicu**, Andrei Asăndulesei, Vasile Cotiugă – *Geophysical surveys at Cucuteni settlement of Filiași-Dealul Mare (Iași county)*, 5th National Symposium of Archaeometry (ARHEOMET 5), Bucharest, 22–23 March 2012.
28. Andrei Asăndulesei, Robin Brigand, **Ionuț Cristi Nicu**, Vasile Cotiugă – *Site catchment analysis and non-invasive approaches in Romanian Chalcolithic. Case study: Cucuteni settlements from Valea Oii river basin* (poster), Human-Environment Interactions session, 39th International Symposium on Archaeometry: "50 years of ISA", Leuven, Belgium, 28 May–1 June 2012.
29. Cristian-Dan Lesenciuc, **Ionuț Cristi Nicu** – *The GPR utilization (ground penetrating radar) for the estimation of the clogging rate of Lake Iezer from Obcinele Bucovinei (the Romanian Carpathians)* (poster), Landform dynamics and recent soils changes section, Forum Carpathicum 2012, From Data to Knowledge, from Knowledge to Action, Stará Lesná, Slovakia, 30 May–2 June 2012.
30. **Ionuț Cristi Nicu**, Gheorghe Romanescu, Cristian Constantin Stoleriu – *Lake basins morpho-hydrographical evolution and archaeological sites location from Valea Oii (Sheep Valley – Bahlui) watershed*, the 7th International Symposium „Present Environment and Sustainable Development”, "Alexandru Ioan Cuza" University of Iași, Department of Geography, 1–3 June 2012.
31. **Ionuț Cristi Nicu**, Gheorghe Romanescu, Andrei Asăndulesei, Vasile Cotiugă, Silviu Gania, Radu Balaur – *Interdisciplinary geographical and archaeological approaches in the Romanian Chalcolithic. Case study: Cucuteni settlements from Valea Oii (Sheep Valley – Bahlui) watershed*, Second Arheoinvest Congress Interdisciplinary Research in Archaeology, "Alexandru Ioan Cuza" University of Iași, 7–9 June 2012.
32. **Ionuț Cristi Nicu**, Andrei Asăndulesei, Robin Brigand, Vasile Cotiugă, Gheorghe Romanescu, Dumitru Boghian – *Integrating geographical and archaeological data in Romanian Chalcolithic. Case study: Cucuteni settlements from Valea Oii (Sheep Valley – Bahlui) watershed*, Geomorphic Processes and Geoarchaeology. From Landscape Archaeology to Archaeotourism, Moscow-Smolensk, Russia, 20–24 August 2012.
33. Alin Mișu-Pintilie, Gheorghe Romanescu, Cristian Constantin Stoleriu, **Ionuț Cristi Nicu**, Silviu Gania – *The underwater morphology of Lacul Crucii (Cross Lake) from Stânișoarei Mts.* (poster), Papers of the „Dimitrie Cantemir” International Geographical Seminar, XXXII edition, "Alexandru Ioan Cuza" University of Iași, 12–14 October 2012.
34. Alin Mișu-Pintilie, Gheorghe Romanescu, Cristian Constantin Stoleriu, **Ionuț Cristi Nicu**, Andrei Enea – *Morphometric and morpho-bathymetric methods in the study of lake basins using GIS techniques. Case study: natural dam lakes from Eastern Carpathians*, Interdisciplinarity in Geoscience in the Carpathian Basin, Department of Geography, University of Suceava, 19–20 October 2012.

35. **Ionuț Cristi Nicu**, Gheorghe Romanescu, Andrei Asăndulesei, Vasile Cotiuğă – *Present state of hydro-geomorphological risks affecting archaeological sites. Case studies from ValeaOii (Sheep Valley – Bahlui) watershed*, Third Arheoinvest Symposium Archaeology and the policies for cultural heritage preservation, "Alexandru Ioan Cuza" University of Iași, 2–3 November 2012.
36. Andrei Asăndulesei, **Ionuț Cristi Nicu**, Silviu Gania, Vasile Cotiuğă, Gheorghe Romanescu – *Assessment and monitoring of prehistorical archaeological sites. Case studies of Cucuteni culture from Bahluiet watershed*, Bucovina Symposium, 14th edition, Suceava, 23-25 November 2012.
37. **Ionuț Cristi Nicu**, Gheorghe Romanescu, Vasile Cotiuğă, Andrei Asăndulesei, Silviu Gania – *Cultural heritage and conservation matters in Romanian Chalcolithic. A case study from Romania, Iași county*, (poster) World Archaeological Congress – 7, Session *Heritage Conservation and Protection*, The Dead Sea, Jordan, 13-18 January 2013.
38. **Ionuț Cristi Nicu**, Silviu Gania – *Archaeological perspectives of salted areas from eastern Romania*, World Archaeological Congress – 7, Session *Archaeology of salt: approach to an invisible past*, The Dead Sea, Jordan, 13-18 January 2013.
39. **Ionuț Cristi Nicu** – *GIS in geoarchaeology*, EGEA Eastern Regional Congress, Urban Geography, Life through cities, Tver, Russia, 25 February–1 March 2013.
40. Gheorghe Romanescu, **Ionuț Cristi Nicu** – *The human-water relationship from prehistory until the present. A case study for ValeaOii (Sheep Valley, Romania)*, Third Arheoinvest Congress Interdisciplinary Research in Archaeology, "Alexandru Ioan Cuza" University of Iași, 7–8 June 2013.
41. **Ionuț Cristi Nicu**, Gheorghe Romanescu, Andrei Asăndulesei, Vasile Cotiuğă – *Morphometrical and geomorphological characteristics of the landscape from ValeaOii (Sheep Valley) – Bahlui. Direct implication on Chalcolithic archaeological sites*, Third Arheoinvest Congress Interdisciplinary Research in Archaeology, "Alexandru Ioan Cuza" University of Iași, 7–8 June 2013.
42. Andrei Asăndulesei, Vasile Cotiuğă, **Ionuț Cristi Nicu** – *Geophysical surveys in the defensive systems of the Cucuteni settlements*, Third Arheoinvest Congress Interdisciplinary Research in Archaeology, "Alexandru Ioan Cuza" University of Iași, 7–8 June 2013.
43. Alin Mișu-Pintilie, Gheorghe Romanescu, Cristian Constantin Stoleriu, **Ionuț Cristi Nicu** – *Seasonal variation of water temperature from the natural dam lake Cujejdol*, Papers of the „Dimitrie Cantemir” International Geographical Seminar, XXXIII edition, "Alexandru Ioan Cuza" University of Iași, 18–20 October 2013.
44. Gheorghe Romanescu, Vasile Cotiuğă, Ștefan Caliniuc, Andrei Asăndulesei, **Ionuț Cristi Nicu**, Mihai Mereuță – *Destruction of archaeological heritage sites by natural risk phenomena*, International Conference Current Trends in the Archaeological Heritage Preservation: The National and the International Perspectives, Iași, 6-10 November 2013.
45. **Ionuț Cristi Nicu**, Andrei Asăndulesei, Gheorghe Romanescu, Vasile Cotiuğă – *Heritage conservation matters during the last decades in Eastern Romania. A case study from Iasi County*, the 47th Conference on Historical and Underwater Archaeology, Ways of Seeing the Past: Using New Technologies in Archaeology Session, Québec, Canada, 8–12 January 2014.
46. Elmar Schmaltz, **Ionuț Cristi Nicu**, Alin Mișu-Pintilie, Michael Maerker, Hans-Joachim Rosner – *Predictive modelling of gully-erosion processes to determine the gully-erosion potential in the Gurguiata area, Moldavian plain, Romania*, Kolloquium Theorie und Quantitative Methoden in der Geographie, Geographisches Institut der Universität Tübingen, Theorie – Modell – Anwendung, 27 February–3 March 2014.
47. Andrei Asăndulesei, Felix-Adrian Tencariu, Mihaela Asăndulesei, **Ionuț Cristi Nicu** – *Geophysical prospection at Soroca citadel. GPR (Ground Penetrating Radar) – survey results from 2012 and 2013*, Conference Soroca citadel – History, Memory and Secular Traditions, Republic of Moldova, 4–5 April 2014.
48. **Ionuț Cristi Nicu** – *A geoarchaeological approach applied in the study of chalcolithic civilization from northeastern Romania. A case study*, National Archaeology Student Conference, Adelaide, Australia, 11-13 April 2014.
49. **Ionuț Cristi Nicu**, Andrei Asăndulesei – *Natural and anthropic risks, cultural heritage management and non(Protection). Present and future perspectives on Chalcolithic archaeological sites from northeastern Romania*, National Archaeology Student Conference (poster), Adelaide, Australia, 11-13 April 2014.
50. Andrei Asăndulesei, **Ionuț Cristi Nicu**, Radu Balaur, Ștefan Caliniuc, Vasile Cotiuğă, Cristian Constantin Stoleriu, Oana Mihaela Stoleriu – *Subsurface survey and spatial analysis on Chalcolithic settlements from Eastern Romania*, Remote Sensing and Geophysical Prospection and Field Archaeology Section, 40th International Symposium on Archaeometry, ISA 2014, Los Angeles, California, USA, 19–23 May 2014.
51. **Ionuț Cristi Nicu** – *Favorability of relief for placing the Neolithic settlements. A case study from North-eastern Romania*, YOCOCU 2014, Agsu, Azerbaidjan, 28–30 May 2014.
52. Gheorghe Romanescu, Octavian Bounegru, Cristian Constantin Stoleriu, Alin Mișu-Pintilie, **Ionuț Cristi Nicu**, Andrei Enea, Oana Stan – *A model of sedimentation in a semiarid climate: Beibugeac valley from North Dobrudja (Romania)*, Annual Conference of Romanian Geographical Society, Tulcea, Romania, 29 May – 1 June 2014.
53. Gheorghe Romanescu, Octavian Bounegru, Cristian Constantin Stoleriu, Alin Mișu-Pintilie, **Ionuț Cristi Nicu**, Andrei Enea, Oana Stan – *The ancient legendary island of PEUCE – myth or reality?*, 12th Annual International Conference on History and Archaeology: From Ancient to Modern, Athens, Greece, 28 – 31 July 2014.
54. Andrei Asăndulesei, **Ionuț Cristi Nicu**, Radu Balaur – *Archaeological Prospection and Natural Risk Management in Prehistoric Sites from Eastern Romania*, 20th Annual meeting of the European Association of Archaeologists (EAA), Istanbul, Turkey, 10–14 September 2014.
55. Alin Mișu-Pintilie, Gheorghe Romanescu, Cristian Constantin Stoleriu, **Ionuț Cristi Nicu**, Andrei Asăndulesei, Elmar Schmaltz – *Natural dam lakes from Cujejdol watershed (Stanisoarei Mts.) – non-invasive methods used for bathymetric*

- maps*, International Conference of Romanian Limnogeographical Association – „Water resources and wetlands”, Tulcea, Romania, 11 – 13 September 2014.
56. **Ionuț Cristi Nicu**, Peter Khomyakov, Anda Cine – *Gully erosion development potential in Tuva Republic, Russia*, Papers of the „Dimitrie Cantemir” International Geographical Seminar, (Geomorphology-Pedology section), XXXIV edition, "Alexandru Ioan Cuza" University of Iași, 17–19 October 2014.
 57. Zakhhar Rozlach, **Ionuț Cristi Nicu**, Alexander Obodovsky – *Channel processes and morphological changes of Black Tisza River*, EGU General Assembly 2015, Vienna, Austria, 12 – 17 April 2015.
 58. Andrei Asăndulesei, **Ionuț Cristi Nicu**, Robin Brigand, Radu Pîrnău, Alin Mișu-Pintilie – *GIS analysis and non-invasive investigations in prehistoric archaeological sites from North-eastern Romania*, National Symposium from Valea Alunului, II edition, Archaeological Site or Historical Landscape, 8–10 May 2015.
 59. Andrei Asăndulesei, **Ionuț Cristi Nicu**, Mihaela Asăndulesei – *Archaeological prospection and natural risk management in prehistoric sites from Eastern Romania. A case study: settlement from Costești, Cier, Iași County (Romania)*, Virtual Archaeology 2015, Section Advanced methods of archaeological prospection, Sankt Petersburg, Russian Federation, 1 – 3 June 2015.
 60. **Ionuț Cristi Nicu**, Andrei Asăndulesei, Alin Mișu-Pintilie, Mihaela Asăndulesei, Gheorghe Romanescu, Vasile Cotiuță – *Natural risks assessment and mitigation on cultural heritage sites from North-eastern Romania. A case study: Valea Oii river catchment*, Quaternary Perspectives on Climate Change, Natural Hazards and Civilization, Session Geoarchaeology: Human-environment interactions and palaeo-geohazards, XIX INQUA Nagoya, Japan, 27 July – 2 August 2015.
 61. **Ionuț Cristi Nicu**, Andrei Asăndulesei, Gheorghe Romanescu, Alin Mișu-Pintilie, Vasile Cotiuță – *Archaeological approaches of salted areas from Northeastern Romania*, First International Congress on the Anthropology of Salt, Iași, Romania, 20 – 24 August 2015.
 62. Andrei Asăndulesei, **Ionuț Cristi Nicu**, Radu Balaur, Ștefan Caliniuc, Mihaela Asăndulesei, Vasile Cotiuță – *Integrated prospection methods for documenting threatened prehistoric archaeological sites from north-eastern Romania*, 11th International Conference on Archaeological Prospection, Warsaw, Poland, 15 – 19 September 2015.
 63. Gheorghe Romanescu, **Ionuț Cristi Nicu** – *Evolution of human settlements and natural risk factors. A case study of Chalcolithic archaeological sites in the Valea Oii watershed (Romania)* (poster), 11th International Conference on Archaeological Prospection, Warsaw, Poland, 15 – 19 September 2015.
 64. Mariaelena Cama, **Ionuț Cristi Nicu**, Christian Conoscenti, Geraldine Quénehervé, Michael Maerker – *The role of multicollinearity in landslide susceptibility assessment by means of Binary Logistic Regression (BLR): comparison between VIF and AIC stepwise selection*, Session NH3.9: Uncertainty and quality evaluation in landslide hazard and risk assessment, EGU General Assembly 2016, Vienna, Austria, 17 – 22 April 2016.
 65. Andrei Asăndulesei, **Ionuț Cristi Nicu**, Radu Balaur, Ștefan Caliniuc, Alin Mișu-Pintilie, Mihai Mereuță, Mihaela Asăndulesei, Vasile Cotiuță – *Geophysical prospecting in Chalcolithic Sites from North-Eastern Romania. A number of significant considerations about planimetry* (poster), Session Remote Sensing, Geophysical Prospection and Field Archaeology, 41st International Symposium on Archaeometry, ISA2016, Kalamata, Greece, 15 – 21 May 2016.
 66. Andrei Asăndulesei, Alin Mișu-Pintilie, **Ionuț Cristi Nicu**, Ștefan Caliniuc, Andrei Enea, Radu Pîrnău, Radu Balaur, Mihai Mereuță, Vasile Cotiuță – *Integrated prospection methods for documenting and monitoring threatened Prehistoric archaeological sites from North-eastern Romania* (poster), Session Environmental Remote Monitoring for Archaeology and Cultural Heritage, 41st International Symposium on Archaeometry, ISA2016, Kalamata, Greece, 15 – 21 May 2016.
 67. Andrei Asăndulesei, **Ionuț Cristi Nicu**, Mihaela Asăndulesei, Ștefan Caliniuc, Radu Balaur – *The Church from Poiana cu Cetate: virtual analysis of a forgotten monument*, Symposium Cultural Heritage of Iași County: evidence, protection and valorification, Iași, Romania, 20 – 21 May 2016.
 68. **Ionuț Cristi Nicu**, Andrei Asăndulesei, Felix-Adrian Tencariu, Radu Balaur, Vasile Cotiuță, Gheorghe Romanescu – *Degradation processes at archaeological sites from North-eastern Romania*, Symposium “Geoarchaeology, Man, and Territory”, part of the XIX Congreso Nacional de Arqueología Argentina, San Miguel de Tucumán, Argentina, 8 – 12 August 2016.
 69. Andrei Asăndulesei, Vasile Cotiuță, Ștefan Caliniuc, **Ionuț Cristi Nicu**, Felix-Adrian Tencariu, Radu Balaur, Alin Mișu-Pintilie, Mihaela Asăndulesei – *Insights into Cucuteni settlements: geophysical prospection for understanding settling patterns in North-eastern Romania during the Chalcolithic* (poster), Session Geophysical approaches to landscape archaeology, 4th International Landscape Archaeology Conference, Uppsala, Sweden, 22 – 25 August 2016.
 70. **Ionuț Cristi Nicu**, Andrei Asăndulesei, Gheorghe Romanescu, Vasile Cotiuță – *Understanding local conditions and natural hazards as a tool in archaeological heritage management*, WAC-8, Session T08N01 Current trends in archaeological heritage preservation, Kyoto, Japan, 28 August – 2 September 2016.
 71. **Ionuț Cristi Nicu**, Mariaelena Cama – *Natural hazards-a threat for immovable cultural heritage* (poster), WAC-8, Session T08 The public, Heritage and Museums, Kyoto, Japan, 28 August – 2 September 2016.
 72. **Ionuț Cristi Nicu**, Andrei Asăndulesei, Vasile Cotiuță – *Soil characteristics from Valea Oii (Bahlu) and the implications on the Chalcolithic archaeological sites*, Symposium Soil Forming Factors and Processes from the Temperate Zone, Soil Science and Archaeology – Research Methods and Perspectives, Iași, Romania, 16 – 18 September 2016.

Books

1. **Nicu I.C.** (2016) Hydrogeomorphic risk analysis affecting Chalcolithic archaeological sites from Valea Oii (Bahlui) watershed, Northeastern Romania. An interdisciplinary approach. *Springer International Publishing*. DOI: 10.1007/978-3-319-25709-9.

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1. **Nicu I.C.** (2016) *Cultural heritage assessment and vulnerability using analytical hierarchy process and geographic information systems (Valea Oii catchment, North-eastern Romania). An approach to historical maps*. International Journal of Disaster Risk Reduction (in press) (**Impact Factor: 1.242**).
2. **Nicu I.C.**, Romanescu G. (2016) *Effect of natural risk factors upon the evolution of Chalcolithic human settlements in Northeastern Romania (Valea Oii watershed). From ancient time dynamics to present day degradation*. Zeitschrift für Geomorphologie 60(1): 1–9. doi:10.1127/zfg/2015/00174 (**Impact Factor: 1.103**).
3. Mișu-Pintilie A., Asăndulesei A., **Nicu I.C.**, Stoleriu C.C., Romanescu G. (2016) *Using GPR for assessing the volume of sediments from the largest natural dam lake of the Eastern Carpathians: Cujejdol Lake, Romania*. Environmental Earth Sciences 75(8): 710. doi:10.1007/s12665-016-5537-1 (**Impact Factor: 1.765**).
4. Romanescu G., Bounegru O., Stoleriu C.C., Mișu-Pintilie A., **Nicu I.C.**, Enea A., Stan C.O. (2015) *The ancient legendary island of PEUCE – myth or reality?* Journal of Archaeological Science 53: 521–535, doi:10.1016/j.jas.2014.11.014 (**Impact Factor: 2.255**).
5. Romanescu G., **Nicu I.C.** (2014) *Risk maps for gully erosion processes affecting archaeological sites in Moldavia, Romania*. Zeitschrift für Geomorphologie 58(4): 509–523, doi:10.1127/0372-8854/2014/0133 (**Impact Factor: 0.734**).
6. Asăndulesei A., Istina L., Cotiugă V., Tencariu F.A., Caliniuc Ș., Balaur R. Ș., Crețu A.-P., **Nicu I.C.**, Bogdan Venedict (2012) *Cesium magnetometer survey in the Cucuteni settlement of Fulgeriș - La Trei Ciresi, Bacău county, Romania*. Romanian Reports in Physics 64(3): 878–890 (**Impact Factor: 1.123**).

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7. **Nicu I.C.** (2016) *An archaeogeomorphological approach applied in the study of a Chalcolithic civilization from north-eastern Romania*. DigIt Journal of the Flinders Archaeological Society 3: 64–69.
8. Asăndulesei A., **Nicu I.C.**, Mihaela Asăndulesei (2015) *Archaeological prospection and natural risk management in prehistoric sites from Eastern Romania. A case study: settlement from Costești, Cier (Iasi County, Romania)*. Proceedings of the Second International Conference held at the State Hermitage Museum, Virtual Archaeology (Methods and benefits), Saint Petersburg, The State Hermitage Publishers: 89–103.
9. Asăndulesei A., **Nicu I.C.**, Balaur R.Ș., Caliniuc Ș., Asăndulesei M., Cotiugă V. (2015) *Integrated prospection methods for documenting threatened prehistoric archaeological sites from north-eastern Romania*. Archaeologia Polona 53: 425–430.
10. Romanescu G., **Nicu I.C.** (2015) *Evolution of human settlements and natural risk factors. A case study of Chalcolithic archaeological sites in the Valea Oii watershed (Romania)*. Archaeologia Polona 53: 607–611.
11. Brigand R., Asăndulesei A., **Nicu I.C.** (2014) *Autour de la station eponyme de Cucuteni: Paysage et peuplement (Valea Oii, Iasi, Roumanie)*. Tyragetia SN, vol. VIII [XIII] 1: 89–106.
12. Mișu-Pintilie A., Romanescu G., Stoleriu C.C., **Nicu I.C.**, Asăndulesei A., Schmaltz E. (2014) *Natural dam lakes from Cujejdol watershed (Stanisoarei Mts.) – non-invasive methods used for bathymetric maps*. International Conference of Romanian Limnogeographical Association – „Water resources and wetlands” (Eds) Petre Găstescu, Włodzimierz Marszelewski, Petre Brețcan, Târgoviște: Transversal 130–137, ISSN 2285-7923.
13. Niculiță I., Cotiugă V., Zănci A., Asăndulesei A., Băț M., Romanescu G., Tencariu F.A., **Nicu I.C.**, Caliniuc Ș. (2012) *Magnetometric prospections in the Thraco-Getae fortress from Saharna Mare, Rezina district, Republic of Moldova*. BAR S2433: Interdisciplinary Research in Archaeology, Proceedings of the First Arheoinvest Congress, Archaeopress, Oxford, ISBN 9781407310329.
14. **Nicu I.C.**, Mișu-Pintilie A. (2012) *Hydrogeomorphological risk analysis models in experimental river basins. Case study: Băiceni – Cucuteni Museum gully (Oii Valley watershed)*. Papers of the “Dimitrie Cantemir” Geographical Seminar 34: 15–22.
15. **Nicu I.C.**, Asăndulesei A., Brigand R., Cotiugă V., Romanescu G., Boghian D. (2012) *Integrating geographical and archaeological data in the Romanian Chalcolithic. Case study: Cucuteni settlements from Valea Oii (Sheep Valley – Bahlui) watershed*. Geomorphic Processes and Geoarchaeology. From Landscape Archaeology to Archaeotourism, International Conference, Moscow-Smolensk, Russia, <<Universum>>, ISBN 978-5-91412-129-9, p. 204–207.
16. **Nicu I.C.**, Romanescu G., Stoleriu C.C. (2011) *Lake basins morpho-hydrographical evolution and archaeological sites location from Valea Oii Watershed (Bahlui)*. Lakes, reservoirs and ponds. Romanian Journal of Limnology 5(2): 71–83, ISSN 1844-6477.

17. **Nicu I.C.**, Romanescu G. (2010) *The use of Leica TCR 1201 total station in the mapping of the Red Lake basin (Eastern Carpathians) and of the adjacent wetland*. Romanian water resources. Vulnerability at the anthropic pressures, (Eds) Petre Gâștescu, Petre Brețcan – Târgoviște: Transversal: 289–295, ISBN 978-606-8042-65-7.
18. Lesenciuc D.C., Mișu-Pintilie A., **Nicu I.C.**, Condorachi D. (2010) *Iezer Lake geomorphological characteristics from Ferede Mountain*. Romanian water resources. Vulnerability at the anthropic pressures, (Eds): Petre Gâștescu, Petre Brețcan – Târgoviște: Transversal: 283-288, ISBN 978-606-8042-65-7.

ANNEX 4

FIELD SCHOOLS, VOLUNTEERING AND OTHER SCIENTIFIC ACTIVITIES

1. *Visiting Researcher* at KFU (Federal State Autonomous Education Institution of Higher Professional Learning Kazan Volga Region Federal University, Faculty of Geography and Ecology), Russian Federation (24.11–23.12.2016), contact person Lecturer Peter Khomyakov (p.hamster21@gmail.com).
2. *Visiting Researcher* at KFU (Federal State Autonomous Education Institution of Higher Professional Learning Kazan Volga Region Federal University, Faculty of Geography and Ecology), Russian Federation (15.11–15.12.2015), contact person Lecturer Peter Khomyakov.
3. *Visiting Researcher* at MSU (Moscow State University, Faculty of Geography), Russian Federation (10.08–10.10.2015), contact person Dr. Sergey Chalov (hydroserg@mail.ru).
4. *Visiting Researcher* at TSNUK (TarasShavchenko National University of Kiev, Faculty of Geography), Ukraine (13.10–12.12.2014), contact person Dr. ZakharRozlach (zakhar.rozlach@gmail.com).
5. *Visiting Researcher* at KFU (Federal State Autonomous Education Institution of Higher Professional Learning Kazan Volga Region Federal University, Faculty of Geography and Ecology), Russian Federation (29.06–05.09.2014).
6. *Archaeological and geographical expedition <<Kyzyl-Kuragino>>*, organized by the Russian Geographical Society, „The King’s Valley 2014”, Tuva region, Russian Federation (04.08–29.08.2014), <http://int.rgo.ru/expeditions/archaeological-and-geographical-expedition-kyzyl-kuragino/>.
7. *Agsu Archaeological Expedition*, organized by MIRAS Azerbaijan, Agsu region, Azerbaijan (30.05–17.06.2014), <http://www.agsuexpedition.org/?/en/mainpage/>, contact person Dr. Fariz Khalili (farizkhalilli@gmail.com).
8. *Indigenous Archaeology Field School* (ARCH3310/ARCH8803/8809), a part of Ngadjuri Heritage Project (NHP), in Mid North of South Australia (22.04–29.04.2014), http://www.flinders.edu.au/ehl/archaeology/fieldwork/field-schools/indigenous-field-school/indigenous-field-school_home.cfm.
9. *Archaeological and geographical expedition <<Kyzyl-Kuragino>>*, organized by the Russian Geographical Society, „The King’s Valley 2013”, Tuva region, Russian Federation (03.06–28.06.2013).
10. *Archaeological and geographical expedition <<Kyzyl-Kuragino>>*, organized by the Russian Geographical Society, „The King’s Valley 2012”, Tuva region, Russian Federation (02.07–28.07.2012).
11. *EGEA White Sea Geomorphology Seminar. Geomorphology of high latitudes, Nikolai Pertsov White Sea Biological Station; new approaches between European schools of geomorphology, new research methods in geomorphology, marine life and coastal geomorphology*, Kandalaksha District of Murmansk Oblast, Russian Federation (28.08–5.09.2011).