

Curriculum vitae



Personal information

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

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Nationality Romanian

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

Gender Male

Workplace / Research Scientist occupation or position held

Period 12 October 2017 – present
Occupation or position held **Associate Professor**
Name and address of employer „Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography, Carol I 20A, 700505, Iași, Romania
Main activities and responsibilities Member in the board of PhD students supervision

Period 01 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 03 October 2016 – present
Occupation or position held **Senior Researcher**
Name and address of employer Kazan Federal University, Department of Physics – Lab. Kosmoecology, 18 Kremlevskaya Street, 420008, Kazan, Russian Federation
Main activities and responsibilities Research

Period 01 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 02 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 **21 August – 03 September 2017**
Qualification / diploma awarded *Paleoanthropology Programme* (72 academic hours) within the framework of Bolgar International Archaeological Field School (BIAFS), Bolgar, Russia.

Period **09 January – 07 February 2017**
Qualification / diploma awarded Open2Study Online Course in *Becoming Human: Anthropology (BeHuman)*, Open University: Melbourne, Australia (by Assoc. Prof. Greg Downey).

Period **15 February – 15 March 2016**
Qualification / diploma awarded Open2Study Online Course in *Principles of Project Management (ProjMgt)*, Open University: Melbourne, Australia (by Sue Dawson).

Period **15 February – 15 March 2016**
Qualification / diploma awarded 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 / diploma awarded 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 / diploma awarded Ph.D. degree in Physical Geography, Faculty of Geography and Geology, Alexandru Ioan Cuza University of Iași.

Period **3 – 9 July 2011**
Qualification / diploma awarded 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, Ammaia, Portugal.

Period **1 October 2008 – 1 July 2010**
Qualification / diploma awarded M.A. degree Natural Risks and Space Planning, Faculty of Geography and Geology, Alexandru Ioan Cuza University of Iași.

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

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

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

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

Period **3 – 26 November 2008**

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

Period **12 – 14 February 2008**

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

Period **12 – 16 February 2007**

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

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 22 scientific papers and one book.
Expert Evaluator of the Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI, Romania, competition PCCDI 2017).

Member in national and international scientific societies 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 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/>
Autumn School *Small Steps in Understanding Prehistoric Habitation and Behaviour. Recent Interdisciplinary Approaches*, Iași, Romania, 20 October 2016, <http://arheoinvest.uaic.ro/en/2016/10/03/arheoinvest-autumn-school-2016/>

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

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<http://arheoinvest.uaic.ro/en/about/people/ionut-cristi-nicu/>

References Prof. Dr. Hab. Michael Märker (e-mail: michael.maerker@geographie.uni-tuebingen.de)
Prof. Dr. Claire Smith (e-mail: claire.smith@flinders.edu.au)
Prof. Dr. Gheorghe Romanescu (e-mail: romanescugheorghe@gmail.com)
Prof. Dr. Oleg P. Yermolaev (e-mail: oleg.yermolaev@ksu.ru)

ANNEX 1 RESEARCH PROJECTS/GRANTS

1. *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 within the 7th European Community Framework Programme (Project number 318969, FP7-PEOPLE-2012-IRSES), <http://flumen-irses.eu/> (**project coordinator** for „Al. I. Cuza” University of Iași).
2. *Non-destructive investigations in complex archaeological sites. An integrated model of applied research of the immobile cultural heritage* (acronym PROSPECT, CNCS Grant 2014-2017, <http://arheoinvest.uaic.ro/research/prospect/>) (**member**).
3. *Management plans for Natura 2000 sites: ROSCI0255 (Dersca Peat, Botoșani county), ROSCI0391 (SiretulMijlociu – Bucecea, Botoșani county and Suceava county: Hânțești), ROSPA0049 (ponds from Ibăneșei-Bășeu-Podrigani valley, Botoșani county)*, end date 15 April 2015 (**GIS expert**).
4. 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 Vasile Cotiugă, no. 92101/1.10.2008 (**member**).
5. Research program *PLATFORME DE FORMARE ȘI CERCETARE INTERDISCIPLINARĂ: Arheoinvest*, director: prof. univ. PhD. Victor Spinei (2006-2008), no. CNCSIS: 36 (**member**).
6. *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. DEPRON S.R.L. Constanța, director: lecturer PhD Vasile Cotiugă (**member**).
7. *3D scanning and topographic surveys for settlements from Tinosu, Tangâru, Sălcuța, Popești and Stelnică*, contract with the Institute of Archaeology Bucharest, no. 1007/02.07.2008, director: lecturer PhD Neculai Bolohan (**member**).
8. *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 Vasile Cotiugă (**member**).

ANNEX 3 SCIENTIFIC PAPERS

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.

Articles indexed in ISI Web of Science

1. **Nicu I.C.** (2017) Frequency ratio and GIS-based evaluation of landslide susceptibility applied to cultural heritage assessment. *Journal of Cultural Heritage* 28: 172-176. doi:10.1016/j.culher.2017.06.002
2. **Nicu I.C.** (2017) Natural hazards – a threat for immovable cultural heritage. A review. *International Journal of Conservation Science* 8(3): 375-388
3. **Nicu I.C.** (2017) Tracking natural and anthropic risks from historical maps as a tool for cultural heritage assessment: a case study. *Environmental Earth Sciences* 76(9): 330. doi:10.1007/s12665-017-6656-z
4. Lesenciuc C.D., Juravle D.T., Secu C.V., **Nicu I.C.**, Breaban I.G. (2017) Using old landslide-dammed lakes to assess sediment delivery rates in small catchments – case study: Iezer Lake from the Romanian Carpathians. *Carpathian Journal of Earth and Environmental Sciences* 12(2): 499–512

5. **Nicu I.C.** (2016) Cultural heritage assessment and vulnerability using Analytic Hierarchy Process and Geographic Information Systems (Valea Oii catchment, North-eastern Romania). An approach to historical maps. *International Journal of Disaster Risk Reduction* 20: 103–111. doi:10.1016/j.ijdrr.2016.10.015
6. **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
7. 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: Cujejd Lake, Romania. *Environmental Earth Sciences* 75(8): 710. doi:10.1007/s12665-016-5537-1
8. 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
9. 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
10. 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 Cireși, Bacău county, Romania. *Romanian Reports in Physics* 64(3): 878–890

Articles indexed in International Databases (IDB)

11. **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.
12. Asăndulesei A., **Nicu I.C.**, Asăndulesei M. (2015) Archaeological prospection and natural risk management in prehistoric sites from Eastern Romania. A case study: settlement from Costești, Cier (Iași 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.
13. 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.
14. 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.
15. 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.
16. Mișu-Pintilie A., Romanescu G., Stoleriu C.C., **Nicu I.C.**, Asăndulesei A., Schmaltz E. (2014) Natural dam lakes from Cujejd watershed (Stanisoarei Mts.) – non-invasive methods used for bathymetric maps. *International Conference of Romanian Limnogeographical Association – „Water resources and wetlands”* (Eds) Găștescu P., Marszelewski W., Brețcan P., Târgoviște: Transversal 130–137, ISSN 2285-7923.
17. Niculiță I., Cotiugă V., Zănoci 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.
18. **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.
19. **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.
20. **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.
21. **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 Găștescu, Petre Brețcan – Târgoviște: Transversal: 289–295, ISBN 978-606-8042-65-7.
22. 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 Găștescu, Petre Brețcan – Târgoviște: Transversal: 283-288, ISBN 978-606-8042-65-7.

ANNEX 4

FIELD SCHOOLS, VOLUNTEERING AND COMPLEMENTARY SCIENTIFIC ACTIVITIES

1. *Social Media Volunteer* at Bolgar International Archaeological Field School (BIAFS), Bolgar, Russian Federation (21.08–03.09.2017), contact PhD student Nargiz Aytuganova (nargissaituganova@yandex.ru).
2. *Volunteer* at Komarovka Excavation Project, Komarovka, Ulyanovsk region, Russian Federation (11.07–25.07.2017), contact PhD student Nargiz Aytuganova (nargissaituganova@yandex.ru).
3. *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).
4. *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.
5. *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).
6. *Visiting Researcher* at TSNUK (Taras Shavchenko National University of Kiev, Faculty of Geography), Ukraine (13.10–12.12.2014), contact person Dr. Zakhar Rozlach (zakhar.rozlach@gmail.com).
7. *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).
8. *Archaeological and geographical expedition <<Kyzyl-Kuragino>>*, organised 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/>.
9. *Agsu Archaeological Expedition*, organised 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).
10. *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.
11. *Archaeological and geographical expedition <<Kyzyl-Kuragino>>*, organised by the Russian Geographical Society, „The King’s Valley 2013”, Tuva region, Russian Federation (03.06–28.06.2013).
12. *Archaeological and geographical expedition <<Kyzyl-Kuragino>>*, organised by the Russian Geographical Society, „The King’s Valley 2012”, Tuva region, Russian Federation (02.07–28.07.2012).
13. *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).