

COMPLEXUL MUZEAL JUDEȚEAN NEAMȚ  
CENTRUL INTERNAȚIONAL DE CERCETARE A CULTURII CUCUTENI

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**IMPACTUL ANTROPIC  
ASUPRA MEDIULUI NATURAL ÎN  
NEO-ENEOLITICUL SUD-EST EUROPEAN**

MUZEUL DE ARTĂ ENEOLITICĂ CUCUTENI

Piatra-Neamț, 24-26 octombrie 2012

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**Rezumate / Abstracts / Résumées**

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**IMPACTUL ANTROPIC ASUPRA MEDIULUI NATURAL  
ÎN NEO-ENEOLITICUL SUD-EST EUROPEAN**

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**HUMAN IMPACT ON NATURAL ENVIRONMENT  
IN THE NEO-ENEOLITHIC OF SOUTH-EASTERN EUROPE**

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**L'IMPACT ANTHROPIQUE SUR L'ENVIRONNEMENT  
DANS LE NÉO-ÉNÉOLITHIQUE DU SUD-EST DE L'EUROPE**

**Editori:**

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**MUZEUL DE ARTĂ ENEOLITICĂ CUCUTENI  
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## CUPRINS / SUMMARY / SOMMAIRE

<b>Program / Programme</b> .....	7
<b>Rezumate / Abstracts / Résumés</b> .....	9
<b>Radu Gabriel Pîrnău, Mihaela Danu, George Bodi</b> <i>Between Pedology, Palynology and Archeology.</i> <i>Proposal for Terminological Integration</i> .....	9
<b>Tzvetana Popova</b> <i>Agriculture and Subsistence Economy in the Territory of Bulgaria</i> <i>during Neo-Eneolithic</i> .....	11
<b>Mariana Filipova-Marinova, Danail Pavlov, Stoyan Vergiev,</b> <b>Hristina Angelova, Liviu Giosan</b> <i>Palynological Evidences for the Anthropogenic Impact on the Natural Vegetation</i> <i>of the Bulgarian Black Sea Coast during the Eneolithic</i> .....	13
<b>Luminița Bejenaru, Simina Stanc, Mariana Popovici</b> <i>Archaeozoological Consideration on Wild Fauna Changes under Human Impact</i> <i>in South-Eastern Romania since Prehistory until Middle Age</i> .....	15
<b>Simina Stanc, Luminița Bejenaru</b> <i>Strategies in Pig (<i>Sus scrofa domesticus</i>) Exploitation:</i> <i>Archaeozoological Data for Prehistoric and Historic Times in Romania</i> .....	16
<b>Georgeta El Susi</b> <i>Animal Management by Precucutenian Communities and their Impact</i> <i>on the Environment in Light of Recent Research on Sites in Eastern Romania</i> .....	17
<b>Diana-Maria Sztancs</b> <i>Considerations Regarding the Osseous Materials Artefacts</i> <i>dated from Petrești Culture, Discovered in Transylvania, Romania</i> .....	19
<b>Corneliu Beldiman, Diana-Maria Sztancs, Costel Ilie</b> <i>Adornments made from Osseous Materials Belonging to Stoicani-Aldeni</i> <i>Cultural Horizon, Discovered at Suceveni, Galați County, Romania</i> .....	21

<b>Corneliu Beldiman</b> <i>About Tools and Weapons made of Osseous Materials dated from Cucuteni-Ariuşd Culture, Discovered in Transylvania, Romania</i> .....	23
<b>Corneliu Beldiman, Costel Ilie, Diana-Maria Sztancs</b> <i>Animal Osseous Materials, Technology and Artefacts dated from Cucuteni Culture, Discovered at Bereşti, Galaţi County, Romania</i> .....	25
<b>Alexandra Comşa</b> <i>Anthropological Analysis Performed upon Skulls Discovered in a Ritual Pit from the Archaeological Site of Cârcea-La Hotare (Coşoveni Commune, Dolj County, Romania)</i> .....	27
<b>Cătălin Lazăr, Theodor Ignat, Mădălina Voicu</b> <i>Spatial Location of the Gumelniţa Cemeteries and their Impact on the Environment</i> .....	28
<b>Gheorghe Lazarovici, Cornelia-Magda Lazarovici</b> <i>Human Impact on Natural Environment in Neolithic and Copper Age in Transylvania and Banat (Romania)</i> .....	30
<b>Cătălin Lazăr, Mihai Florea, Carmen Bem, Vasile Opreş</b> <i>Landscape Changes and Human Impact in the Prehistory of Mostiştea Valley, Romania</i> .....	32
<b>Cristian Schuster</b> <i>Dynamics of the Neo-Eneolithic Settlements in the Argeş Basin and its Tributaries (Romania)</i> .....	34
<b>Dumitru Boghian, Vasile Budui, Dinu Oprea-Gancevici, Bogdan Petru Niculică</b> <i>Anthropic Impact on the Neolithic and Eneolithic Environment in the Middle Sector of the Suceava River (Romania)</i> .....	35
<b>Alin Frînculeasa</b> <i>Eneolithic Habitation in Wallachian Subcarpathians: Patterns and Traditions</i> ....	37
<b>Valentina Voinea</b> <i>Dynamique de l'habitation énéolithique final dans la région de Dobrudja</i> .....	39
<b>Marius Alexianu, Vasile Cotiugă, Andrei Asăndulesei Radu-Ştefan Balaur, Ştefan Caliniuc</b> <i>Research in Spatial Ethnoarchaeology on the Supplying with Brine from Salt Springs in Moldavia (Romania)</i> .....	40

<b>Olivier Weller, Mihaela Danu, Emilie Gauthier, Dominique Sordoillet, Alexa Dufraisse, Claire Delhon, Robin Brigand, Gheorghe Dumitroaia, Daniel Garvăn, Roxana Munteanu, Vasile Diaconu</b> <i>Human Interaction and Environmental Impact of Salt Spring Exploitation over 2000 Years (Hălăbutoaia-Țolici, Petricani, Neamț, Romania)</i> .....	43
<b>Sabin Adrian Luca, Cosmin Suci, Florian Dumitrescu-Chioar, Gheorghe Natea, Adrian Luca</b> <i>Turdaș Site (Romania).</i> <i>A Model of Natural Impact on the Neolithic and Eneolithic Community</i> .....	45
<b>Laurent Carozza, Cristian Micu, Mihaela Danu, Erwan Messenger, Florian Mihail, Sylvie Philibert, Robin Furestier, Sorin Ailincăi, Albane Burens, Adrian Bălășescu, Valentin Radu, Jean-Michel Carozza, Constantin Haită</b> <i>La communauté chalcolithique de Taraschina (Roumanie) dans le Delta du Danube entre 4550-4200 bc: Quels indicateurs agricoles? Quel impact environnemental?</i> .....	47
<b>Dragomir Nicolae Popovici, Constantin Haită, Adrian Bălășescu, Valentin Radu, Cătălina Cernea, Ioan Cernău</b> <i>Living in the Danube Valley in the Copper Age. The Tell from Bordușani-Popină (Romania)</i> .....	49
<b>Cătălin Lazăr, Theodor Ignat, Constantin Haită, Mihai Florea</b> <i>The Tell Settlement from Sultana-Malu Roșu (Romania) and Effects of the Anthropoc Activities on the Landscape</i> .....	50
<b>Yavor Boyadzhiev, Kamen Boyadzhiev</b> <i>Chalcolithic Settlements Varhari and Orlitsa, Eastern Rhodope Mountains, Bulgaria: two Models of Interaction with the Environment</i> .....	52
<b>Dumitru Boghian, Sergiu Constantin Enea, Ciprian-Cătălin Lazanu</b> <i>Man and Natural Environment in the Area of the Tăcuta-Dealul Miclea Settlement (Vaslui County, Romania)</i> .....	54
<b>Sergiu Bodean, Constantin Preoteasa</b> <i>L'histoire des recherches pluridisciplinaires concernant le complexe culturel Precucuteni-Cucuteni-Tripolye</i> .....	56
<b>Nicolae Ursulescu, Vasile Cotiugă</b> <i>Le changement de l'aspect des habitats de longue durée et avec des éléments de fortification du complexe culturel Precucuteni-Cucuteni</i> .....	57

<b>Dragoş Gheorghiu</b> <i>The Domestication of Space: the Geometry of Dwelling vs. Natural Chaos</i> .....	58
<b>Dan Monah</b> <i>La mise à feu rituelle de quelques habitats Cucuteni</i> .....	60
<b>Viktorija Petrova</b> <i>Utilisation de sources de matières premières à la fin du VI millénaire avant J.C. dans la partie de sud-est de la Péninsule Balkanique: un objet de données de site archéologique Hadjidimitrovo, Yambol, Bulgarie</i> .....	61
<b>Otis Crandell, Vasile Diaconu</b> <i>Intercultural Trade by the Precucuteni-Cucuteni Cultural Complex: Evidence of Lithics Import</i> .....	63
<b>Natalya Skakun</b> <i>Peculiarities of Flintworking during the Developed Stage of the Tripolye Culture</i> .....	65
<b>Eduard Ovchinnikov</b> <i>The Usage of Cucuteni-Trypillian Ceramics: Representation in the existed Classifications</i> .....	67
<b>Luminița Bejenaru, Simina Stanc</b> <i>New Archaeozoological Data Concerning the Cucuteni A Settlement of Poduri-Dealul Ghindaru (Bacău County, Romania)</i> .....	68
<i>Notes to authors / Notes aux auteurs</i> .....	69

**HUMAN INTERACTION AND ENVIRONMENTAL IMPACT  
OF SALT SPRING EXPLOITATION OVER 2000 YEARS  
(HĂLĂBUTOAIA - ȚOLICI, PETRICANI, NEAMȚ, ROMANIA)**

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**Keywords:** salt spring, palaeoenvironment, Neolithic, human impact, pollen, non-pollen palynomorphs, Romania.

Salt exploitation from the mineral spring of Hălăbutoaia-Țolici (Neamț, Romania) is one of the earliest in Europe. Discovered in 2005, salt production is documented from the Early Neolithic to the end of Chalcolithic period (6000-3500 BC) with an important stratigraphy of 8 m high. In 2007-2010, a different core drilling was performed in the salty swamp of the spring and numerous palaeoenvironmental studies were realized in the archaeological site. Multi-proxies approach around salt spring (sedimentology, pollen, non-pollen palynomorphs) and in the salt workshop (micromorphology, mineralogy, anthracology, phytoliths, chemical analysis) suggests a remarkable environmental impact since the Early Neolithic and highlights salt techniques and human interactions. Salt exploitation, pastoral practices and farming are directly in connection with these variations, as well as in the background palaeoclimatic oscillations.



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